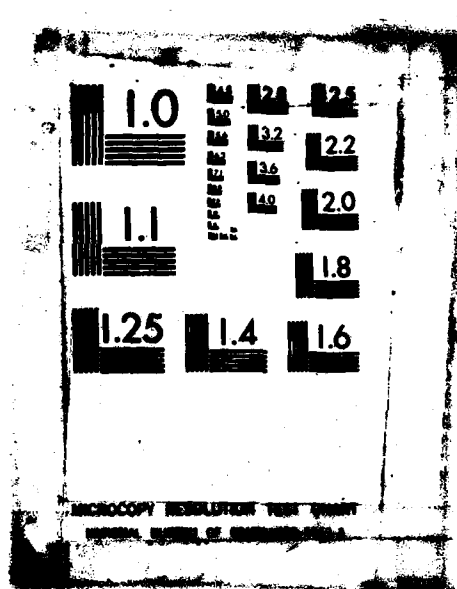


SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMO) (1)  
HIAUFORT SOUTH CAROLINA (U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

F/G 4/2

14



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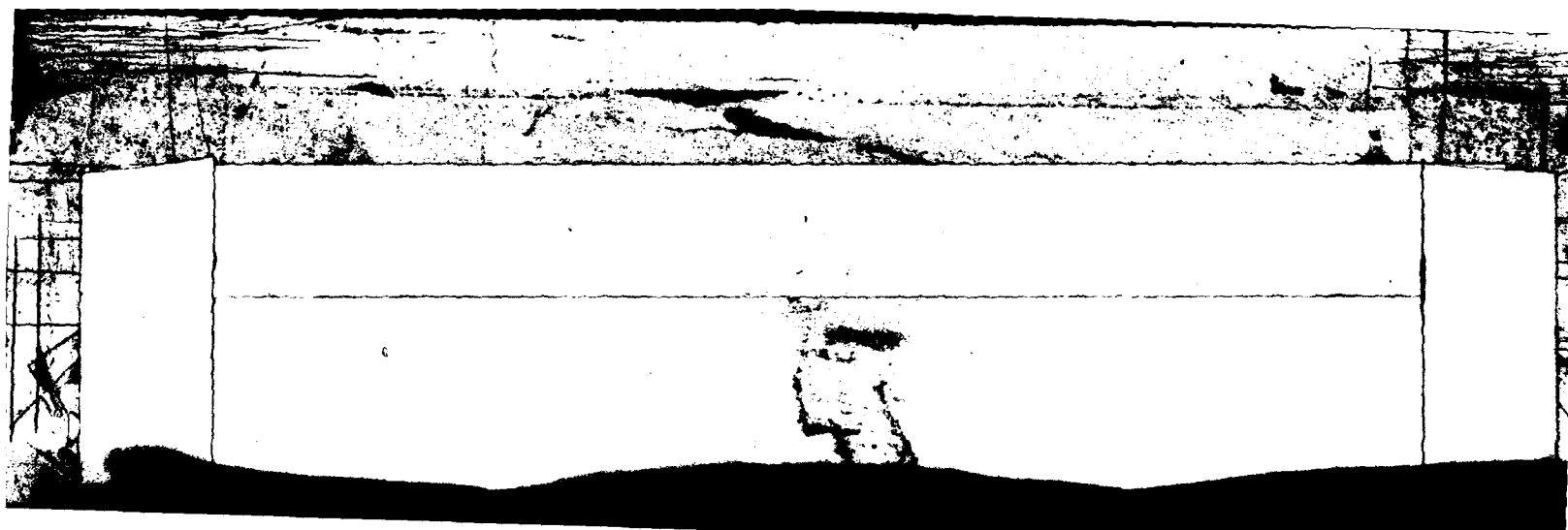
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

**DESCRIPTION:** Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

**COMMENT:** All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO. OR SUMMARY 93831	STATION NAME Beaufort, S. C.	LATITUDE 32° 28' N	LONGITUDE 80° 43' W	STATION ELEV. (FT) 38	CALL SIGN KNBC	AGU NUMBER
---------------------------------	---------------------------------	-----------------------	------------------------	--------------------------	-------------------	------------

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF SAPO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	MCAS	1958	1963	32° 28' N	80° 43' W	31.55	Tonnolot	24
2.	Weather Service office (new barometer installed)	"	1963	1965	"	"	"	"	24
3.	Weather service office (North bulk-head of room 128, Bldg 600)	"	1965	1968	"	"	"	Fortin	24
4.	Weather service office (North bulk-head of room 128, Bldg 600)	"	1968		"	"	Ht above Ground 6.0	"	24
1a.	Weather service office (North bulk-head of room 128, Bldg 600)	"	1960		"	"	8.5	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop operations building	AN/UMQ-5	RD-108	45'	1. Aneroid Barometer (ML-448/UM) 2. Barograph (ML-3-D) 3. Semi-auto Met Station (AN/GMQ-29) 4. *Cloud height set (AN/GMQ-13) 5. Theodolite (ML-247) 6. Transmissometer (AN/GMQ-10) 7. Radar (AN/FPS-106) 8. Weathervision (GMQ-19V)
2.	1960	Eleven hundred feet north of Bldg 600, and twelve hundred feet south of the intersection of the runways.	"	"	12'	*Two sets in use.

MOCD, Federal Building  
Asheville, NC

2

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70701  
STATION

DIEGO GARCIA ISLAND  
STATION NAME

74-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

11  
HOURS (L.S.T.)

LOCATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.0	1.2	.6								5.4	6.3
NNE	2.4	1.6										4.2	3.7
NE		.6	.6									1.2	7.0
NNE	.6											.6	3.0
E		4.8	3.0	.6								8.3	6.6
ESE		.6	1.2									1.8	7.0
SE				.6								.6	12.0
SSE		1.2	2.4									3.6	6.8
S	1.2	2.4	.6									4.2	4.3
SSW	1.2	3.0	3.0									7.1	5.7
SW	1.2	2.4	.6									4.2	4.7
WSW		1.2	4.2	1.8								7.7	8.1
W	.6	7.1	9.5	1.8								19.0	7.6
WNW		2.4	5.4	4.2	.6							12.5	10.0
NW		3.0	3.6	2.4								8.9	9.2
NNW	.6	1.2	3.0	3.6								8.3	9.8
VARIABLE													
CALM												2.4	
	8.3	35.1	38.1	15.5	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

168

8808

NOCB, Federal Building  
Asheville, N. C.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
  2. By month and annual, all hours and years combined, by wind direction.
  3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

### ATMOSPHERIC PHENOMENA:

**STATION**

3. A. FC-1, 2C

STATION NAME

57-77

**WARM**

222

**NOTE**

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS.
JAN	141.7	0.9	41.1	.9	2.7		41.7	55.3	48.4			62.9	61
FEB	141.7	1.2	41.9	.5	2.1	.2	42.2	56.4	58.1	.1	.2	73.4	621
MAR	140.0	10.0	42.6	.1	.6	.3	42.6	62.9	62.5		.7	79.3	617
APR	140.0	7.8	40.0				40.9	57.6	57.6		.5	73.3	667
MAY	140.0	71.0	41.1			.4	41.1	67.0	69.8		.2	82.4	632
JUN	140.1	72.1	47.1			.3	47.1	68.0	71.7		.2	93.8	663
JUL	143.7	43.7	55.3			.2	55.3	64.2	72.5			44.8	612
AUG	141.2	71.2	49.7			.1	49.7	76.7	77.7			81.8	617
SEP	140.5	71.5	44.6				44.6	78.3	75.9			85.5	659
OCT	140.6	10.6	25.9				25.9	60.5	64.9			77.1	610
NOV	140.6	10.6	20.7				29.7	61.9	56.1			72.8	690
DEC	140.7	10.7	36.5		.4		36.5	53.0	53.0			67.5	713
TOTALS		15.3	40.9	.1	.7	.2	40.5	63.8	64.0	.0	.2	78.7	5793



# WEATHER CONDITIONS

STATION BEAUFORT, SC STATION NAME 73-52 YEARS JAN  
10/17 2006 84321 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		7.7				7.7	29.4	19.7			45.5	310
	04		10.0				10.0	38.1	16.1			49.9	310
	07		13.2		.3		13.5	41.3	17.7			53.2	310
	10	.6	7.7		.3		8.1	26.8	31.0			51.9	310
	13		8.7				8.7	17.1	25.2			39.7	310
	16		8.7	.3	.3		9.4	14.2	25.2			37.1	310
	19		7.7				7.7	16.1	29.7			42.6	310
	22		5.5				5.5	24.2	23.9			44.2	310
TOTALS		.1	6.7	.0	.1		8.8	25.9	23.6			45.5	2462

NAVWEASERVCOM

# WEATHER CONDITIONS

STATION NAME: PEAFORT, SC YEAR: 73-62 MONTH: FEB

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		5.0		.4		5.3	25.2	22.7		1.1	44.0	282
	03		7.8		.4		5.2	34.4	19.1		.7	48.6	282
	07	.4	8.9		.7		9.6	46.3	25.2		.7	62.1	282
	10		7.4	.4	.4		8.2	23.4	35.8		.4	55.3	282
	13		5.0	.4	1.1		5.7	11.7	23.4	.4	.4	34.4	282
	16		9.2		.7		9.9	11.0	23.4	.4	1.1	35.1	282
	19	.7	7.4	.4	.4		8.2	11.3	28.7	.4	1.1	40.4	282
	22		7.4	.4	1.1		8.5	15.2	26.6	.4	1.1	41.5	282
TOTALS		.1	7.3	.2	.7		8.0	22.4	25.6	.2	.8	45.2	2256

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# WEATHER CONDITIONS

STATION BEAUFORT, SC STATION NAME 77-82 YEAR 44

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01	.3	6.8				8.8	32.6	27.4			52.9	310
	04	.6	7.7				7.7	43.5	21.6			58.7	310
	07		9.1	.3			8.4	52.9	31.3			71.6	310
	10	.3	8.7		.3		9.0	18.4	40.6			54.2	310
	13	.3	9.4		.3		9.7	10.6	33.9			42.6	310
	16	.3	7.4		.3		7.7	9.7	31.9		1.0	41.3	310
	19	1.3	4.9		.3		5.2	13.3	33.3		1.0	43.7	309
	22	1.3	6.8				5.8	24.3	26.2			46.0	309
TOTALS		.6	7.5	.0	.2		7.7	25.7	30.8		.3	51.9	2478

NAVWEASERVCOM

# WEATHER CONDITIONS

97031 BEAUFORT, SC

73-82

APC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.3	2.3				2.3	19.7	20.7			36.3	300
	04	.7	5.7				5.7	31.0	22.3			47.0	300
	07	1.0	4.0				4.0	42.7	32.3			64.3	300
	10	.7	5.0				5.0	8.3	33.7			39.7	300
	13	1.0	5.0				5.0	4.0	26.0			29.7	300
	16	1.0	4.3				4.3	4.7	25.3		.3	30.3	300
	19	.7	5.7				5.7	7.7	26.3			34.3	300
	22	1.0	4.3				4.3	13.0	21.7			31.7	300
TOTALS		.8	4.5				4.5	16.3	26.3		.3	39.2	2400

NAVWEASERVCOM

# WEATHER CONDITIONS

97931  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.6	6.5				6.5	29.0	33.9			57.4	310
	04	.6	3.5				3.5	48.1	31.3			69.7	310
	07	.3	3.9				3.9	49.4	46.1			80.6	310
	10	1.3	4.5				4.5	6.8	49.4			58.2	310
	13	1.0	5.2				5.2	4.5	38.7			42.3	310
	16	3.5	4.2				4.2	3.2	39.0			41.3	310
	19	5.2	5.8				5.8	6.1	39.0			44.8	310
	22	3.9	6.5				6.5	13.5	36.5			48.4	310
TOTALS		2.2	5.0				5.0	20.1	39.2			59.9	2480

NAYWEASERVCOM

# WEATHER CONDITIONS

97871 STATION BEAUFORT, SC 73-82 YEARS JUN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	1.0	3.3				3.3	31.3	46.7			66.7	300
	04	1.3	1.7				1.7	49.0	43.3			76.3	300
	07	1.0	3.0				3.0	45.7	60.7			85.7	300
	10		4.0				4.0	4.7	57.3			61.3	300
	13	3.7	8.0				8.0	4.7	48.0			52.3	300
	16	6.7	9.0				9.0	4.0	48.0			51.3	300
	19	5.7	8.0				8.0	5.7	48.0			52.3	300
	22	3.0	7.3				7.3	17.0	47.7			59.3	300
TOTALS		3.1	5.5				5.5	20.3	80.0			43.2	2400

NAVWEASERVCOM

# WEATHER CONDITIONS

97931  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.9	2.6				2.6	33.9	53.9			74.8	310
	04	.6	1.9				1.9	49.0	57.4			81.9	310
	07	.6	3.9				3.9	46.8	67.1			86.8	310
	10	1.6	3.5				3.5	7.1	70.0			74.2	310
	13	5.5	8.8				5.8	3.9	62.3			68.5	310
	16	8.7	7.4				7.4	4.2	61.6			65.2	310
	19	8.1	7.7				7.7	9.7	54.8			61.9	310
	22	4.8	6.5				6.5	16.1	56.5			68.8	310
TOTALS		4.0	4.9				4.9	21.3	60.8			72.0	2980

NAVWEASERVCOM

# WEATHER CONDITIONS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.3	2.9				2.9	35.5	58.4			75.2	310
	04	1.0	3.2				3.2	55.5	57.1			89.2	310
	07	1.9	3.2				3.2	56.1	64.2			87.7	310
	10	3.2	3.2				3.2	6.1	65.8			69.4	310
	13	4.2	5.5				5.5	3.5	56.8			58.4	310
	16	9.7	7.4				7.4	6.1	56.1			60.6	310
	19	5.8	10.6				10.6	11.0	53.2			60.6	310
	22	2.3	7.4				7.4	19.4	56.5			69.0	310
TOTALS		3.7	5.9				5.9	29.7	58.5			70.6	2480

NAVWEASERVCOM



# WEATHER CONDITIONS

93871  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	2.0	6.7				6.7	38.3	55.7			75.7	300
	04	.3	4.3				4.3	50.7	52.0			83.3	300
	07	.3	4.7				4.7	70.0	56.7			91.0	300
	10	.3	5.3				5.3	13.3	63.0			70.3	300
	13	1.7	9.7				9.7	4.0	61.7			63.7	300
	16	5.3	9.3				9.3	6.7	59.7			66.7	300
	19	3.3	9.7				9.7	11.0	58.3			65.0	300
	22	2.0	4.7				4.7	22.0	58.0			69.3	300
TOTALS		1.9	6.7				6.7	28.3	58.3			72.9	2400

NAYWEASERVCOM

# WEATHER CONDITIONS

93831 BEAUFORT, SC 73-82 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		3.5				3.5	31.6	32.6			51.6	310
	04	.3	4.5				4.5	45.5	30.6			60.0	310
	07	.3	4.8				4.8	53.5	38.1			71.9	310
	10		2.9				2.9	9.4	50.3			55.2	310
	13		3.5				3.5	4.2	37.7			40.3	310
	16	.6	5.8				5.8	4.2	28.4			31.3	310
	19	.3	3.5				3.5	5.2	36.5			40.3	310
	22	.6	3.9				3.9	11.3	36.8			43.5	310
TOTALS		.3	4.1				4.1	20.6	36.9			49.3	2480

NAVWEASERVCOM

# WEATHER CONDITIONS

97871 BEAUFORT, SC 73-82 NCV  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		5.0				5.0	30.7	30.3			52.3	300
	04		4.7				4.7	42.7	27.3			58.3	300
	07	.3	7.7				7.7	52.0	30.3			67.0	300
	10		5.0				5.0	19.7	39.7			55.0	300
	13		4.3				4.3	8.3	32.0			40.0	300
	16		5.0				5.0	8.0	31.0			37.7	300
	19		3.7				3.7	9.3	35.3			42.3	300
	22		5.0				5.0	20.1	31.1			46.2	299
TOTALS		.3	5.1				5.1	23.9	32.1			49.2	2399

NAVWEASERVCOM

# WEATHER CONDITIONS

90831  
STATION

BEAUFORT, SC  
STATION NAME

73-92  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01	.3	10.0		.3		10.3	33.2	20.0			47.4	310
	04		10.0		.3		10.3	36.5	19.4			50.0	310
	07		13.2		.3		13.5	41.3	20.6			55.8	310
	10		9.4				9.4	24.5	28.7			49.7	310
	13	.3	9.4				9.4	15.2	22.3			35.5	310
	16	.3	7.4		.3		7.7	12.9	20.6			31.9	310
	19		7.8				7.8	17.5	19.4			33.0	309
	22		9.4				9.4	26.5	21.0			41.4	309
TOTALS		.1	9.6		.2		9.7	26.0	21.5			42.1	2978

NAVWEASERYCOM

# WEATHER CONDITIONS

92833 BEAUFORT, SC 73-82 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	8.7	.0	.1		8.8	25.9	23.6			45.5	2480
FEB		.1	7.3	.2	.7		8.0	22.4	25.6	.2	.8	45.2	2256
MAR		.6	7.5	.0	.2		7.7	25.7	30.8		.3	51.4	2478
APR		.8	4.5				4.5	16.4	26.3		.0	39.2	2400
MAY		2.2	5.0				5.0	20.1	39.2			54.9	2480
JUN		3.1	5.5				5.5	20.3	50.0			63.2	2400
JUL		4.0	4.9				4.9	21.3	60.5			72.0	2487
AUG		3.7	5.4				5.4	24.7	58.5			70.6	2480
SEP		1.9	6.7				6.7	28.1	58.1			72.9	2400
OCT		.3	4.1				4.1	20.6	36.4			49.3	2460
NOV		.0	5.1				5.1	23.9	32.1			49.9	2399
DEC		.1	9.6		.2		9.7	26.6	21.5			43.1	2478
TOTALS		1.4	6.2	.0	.1		6.3	22.9	38.5	.0	.1	54.8	29211

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JANUARY  
MONTH

HOURS  
PER DAY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	12.5	.6	6.9	.6					28.0	3.0	19.6			49.4
NNE	15.2	1.2	2.4					.6	23.6	4.0	24.8			50.9
NE	8.0	1.1	3.4						25.0	4.5	18.2			55.7
ENE	3.6		3.6						23.2	1.8	33.9			42.9
E	2.9	1.5	1.5						17.6	8.8	25.0			51.5
ESE		2.1							23.4	8.5	31.9			42.6
SE	5.7		5.7						34.3	8.6	22.9			42.9
SSE	11.1	5.6	2.8						30.6	9.7	29.2			30.6
S	12.6	1.1	.5						18.0	15.8	29.0			38.8
SSW	9.6	2.6	.9					.9	16.7	24.6	30.7			34.2
SW	.9	.9	.9						13.2	3.8	25.5			58.5
WSW	2.3	1.7							12.2	4.1	26.2			59.9
W	1.5	.5	1.5			.3			9.2	4.3	24.4			64.4
WNW	5.1		1.1			1.1			12.4	2.8	15.8			68.9
NW	2.5		3.8						25.3	1.3	8.9			64.6
NNW	7.0		2.3						25.6	1.2	12.8			60.5
VARIABLE														
CALM	1.8	.6	1.0						14.2	14.4	23.0			53.0
TOTAL	146	24	46	1		3		2	437	205	580			1330
% TOTAL	5.9	1.0	1.9	.0		.1		.1	17.6	8.3	23.4			53.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

97831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

FEBRUARY  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.7		7.3	1.3	3.3	1.3			34.0	2.0	26.0	2.0		44.7
NNE	9.4	.8	2.3	.8	1.6				15.6	7.8	34.4			46.9
NE	12.6	1.1	2.1	1.1	2.1				25.3	4.2	33.7			38.9
ENE	9.0		1.1		1.1				13.5	3.4	37.1			46.1
E	5.3	1.1							12.8	3.2	30.9			52.1
ESE								1.8	5.3	3.3	24.6			66.7
SE	6.7		2.3						13.6	4.5	20.5			56.8
SSE	3.4	2.3	1.1					1.1	13.8	8.0	26.4			47.1
S	4.7	6.6	.5						13.1	10.3	33.3			43.2
SSW	7.7	4.8							16.3	7.7	36.5			40.4
SW		2.9	1.0						9.6	11.5	30.8			50.0
WSW			2.0						10.7	11.4	24.8			57.7
W	.9	1.3	1.3						6.4	1.7	23.8			67.7
WNW	.6	1.2	.6						5.6	2.5	14.8			75.9
NW	3.1	2.0	1.0						19.4	7.1	17.3			56.1
NNW	7.2				1.2	1.2			27.7		12.0	1.2		63.9
VARIABLE														
CALM	2.7	.5	.5					.3	12.3	14.7	12.0			51.3
TOTAL	99	36	31	4	11	3		3	340	165	570	4		1214
% TOTAL	4.4	1.6	1.4	.2	.5	.1		.1	15.1	7.3	25.3	.2		53.8

TOTAL NUMBER OF OBSERVATIONS

7,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION 47571 REALFORT, SC STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MARCH MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	6.2	4.1	4.1	1.7				1.0	25.8	1.0	32.0			45.4
NNE	8.7								23.3	5.8	27.2			46.6
NE	8.0	4.5	3.4					1.1	21.6	8.0	28.4			45.5
ENE	4.7	4.7	3.5						23.5	9.4	35.3			37.6
E	6.8	1.9	3.7					1.2	22.2	11.1	31.5			40.7
ESE	2.5	1.3	2.5						20.3	5.1	29.1			41.9
SE	3.2	5.4	1.1						12.9	8.6	36.6			49.5
SSE	.6	6.2	.6					.6	13.0	3.7	33.3			52.5
S	4.6	4.3						.6	11.0	10.7	35.5			45.3
SSW	.7	3.5						1.4	14.6	9.7	34.7			41.7
SW	2.7	.9	.9						14.4	7.2	38.7		.9	40.5
WSW	1.7	5.9						.8	14.3	4.2	37.8		.8	45.4
W	1.7	1.2	.8					.4	4.1	4.6	27.0		.4	64.7
WNW	1.5	2.9				.7			12.4	2.2	24.1		.7	62.8
NW	2.3	2.3	2.3			2.3		1.2	25.6	5.8	17.4			52.3
NNW	5.0	3.3	3.3			1.7		1.7	26.7	5.0	33.3			46.7
VARIABLE														
CALM	2.1	1.0	.4					.3	24.3	14.1	23.0			41.3
TOTAL	83	73	30	1		4		14	421	215	751		4	1162
% TOTAL	3.4	2.9	1.2	.0		.2		.6	17.0	8.7	30.3		.2	47.7

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

APRIL  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO HE. MER
N	4.1								4.1	5.4	27.0			66.2
NNE	1.4	5.6							14.1	12.7	16.9			57.7
NE	6.3	4.7	1.6						18.8	9.4	34.4			43.8
ENE	4.4	1.5							17.6	11.8	25.0			51.5
E	5.1	1.7						.6	9.7	4.5	35.2			51.7
ESE	4.7	.9							6.6	6.6	34.0			55.7
SE	4.4								5.6	2.2	21.1			72.2
SSE	3.7	1.2							2.4	8.3	27.4			63.7
S	1.4	3.6	.3					1.9	10.2	5.5	32.4			54.6
SSW	.7	5.0	1.4					.7	12.2	5.0	30.9			54.7
SW	1.6	6.6						3.3	7.4	6.6	27.9			56.6
WSW	.7	1.4						.7	6.3	6.3	27.5			59.9
W		2.7						.9	4.0	.9	17.9		.4	77.1
WNW			.9						7.2	1.8	13.5			78.4
NW		1.8	1.8					1.8	3.5	5.3	19.3			71.9
NNW	4.4	2.2						2.2	6.7	2.2	15.6			75.6
VARIABLE														
CALM	1.0	.3	.3					.3	12.0	14.1	23.6			51.1
TOTAL	49	53	7					19	210	183	630		1	1439
% TOTAL	2.0	2.2	.3					.8	8.8	7.6	26.3		.0	60.0

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

MAY  
MONTH

HOURS 11:51  
HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDG RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2	3.3	5.0					4.2	22.5	7.5	25.8			45.0
NNE	3.3	4.4	1.1						17.8	9.9	47.3			34.1
NE	5.2	3.4						1.7	13.8	8.6	39.7			37.9
ENE	1.8	1.8							12.5	8.9	58.4			25.0
E	3.5	11.9						5.6	17.5	3.5	42.0			36.4
ESE	1.7	8.7						2.9	10.6	3.8	48.1			37.5
SE	2.4	3.9						4.7	7.9	3.1	41.7			49.6
SSE		5.4						2.2	6.5	2.2	42.4			48.9
S	1.1	1.9						2.8	7.2	6.3	39.7			47.1
SSW		3.5						1.4	8.5	7.0	45.1			44.4
SW		1.8	.6					1.2	7.9	4.4	38.8			49.1
WSW		1.4						.7	3.8	9.9	43.7			47.2
W	1.2	2.4						3.0	3.6	5.4	42.8			48.2
WNW	1.4	3.7						3.7	3.7	5.6	27.8			63.0
NW		2.2	4.3					2.2	13.0	2.2	32.6			52.2
NNW	3.8	1.9						1.9	15.4	9.6	34.6			46.2
VARIABLE														
CALM	.9	.6						.9	30.8	14.3	38.1			37.3
TOTAL	34	80	10					54	290	208	972			1083
% TOTAL	1.4	3.2	.4					2.2	11.7	8.4	39.2			43.7

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93971  
STATIONBEAUFORT, SC  
STATION NAMEJANUARY 1973-DECEMBER 1982  
YEARSJUNE  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.3	6.7	2.0					3.3	16.0	12.7	50.7			30.7
NNE	2.9	6.8						2.9	18.4	17.9	40.7			30.1
NE	1.2	8.3						4.8	15.5	11.9	51.2			29.8
ENE	4.1	6.8						5.8	8.2	4.1	53.4			35.6
E	.8	7.9						3.9	6.3	4.7	50.4			38.6
ESE		8.7						6.5	4.3	3.3	45.7			46.7
SE		3.2						2.1	3.2	4.3	50.0			43.6
SSE		3.6						1.4	4.3	2.2	39.1			54.3
S	.6	4.4						6.7	6.3	4.1	47.3			40.3
SSW		4.6						.7	9.2	6.3	55.6			34.6
SW	1.1	2.8						3.4	6.7	7.3	61.8			28.1
WSW	.6	4.8	.6					1.8	6.6	12.0	50.6			33.1
W	1.3	3.8						3.8	5.6	10.0	46.9			42.5
WNW	2.6	3.9						2.6	9.1	9.1	53.2			32.5
NW	5.2		1.7					1.7	8.6	19.0	51.7			27.6
NNW	2.4								7.1	28.6	47.6			33.3
VARIABLE														
CALM	.3	1.3	.3					.3	14.9	24.6	54.7			34.4
TOTAL	24	103	6					73	222	264	1199			839
% TOTAL	1.0	4.3	.3					3.0	9.3	11.0	50.0			35.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831 BEAUFORT, SC JANUARY 1973-DECEMBER 1982 JULY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5							6.0	13.4	22.4	58.2			22.4
NNE	2.4	2.4							32.9	17.6	56.8			9.4
NE	1.5	4.5						3.0	12.1	9.1	66.7			19.7
ENE		2.6						2.6	9.1	7.8	54.5			33.8
E		6.5						5.8	6.5	2.9	59.0			31.7
ESE	1.2	4.8						3.6	4.8	5.6	54.2			37.3
SE	2.0	5.0						4.0	4.0	2.0	52.0			36.0
SSE		6.0	.7					5.3	4.0	2.6	47.7			40.4
S	.3	3.4	.3					5.4	2.8	7.6	62.9			26.6
SSW	.6	3.3						2.8	5.6	7.8	65.0			26.1
SW	.8	3.8						5.1	6.8	13.5	65.4			22.4
WSW	.5	5.3						4.8	7.4	10.1	62.2			26.1
W		2.6						3.3	7.3	11.9	70.9			19.2
WNW		5.9						2.0	7.8	9.8	70.6			15.7
NW		17.2						17.2	17.2	10.3	69.0			6.9
NNW	5.6	5.6						8.3	38.9	19.4	36.1			13.9
VARIABLE														
CALM	1.2	2.9	.2					1.4	14.4	24.6	54.3			21.1
TOTAL	20	99	3					99	229	300	1497			633
% TOTAL	.8	4.0	.1					4.0	9.2	12.1	60.4			25.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAYWEASERYCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93831

BEAUFORT, SC

JANUARY 1973-DECEMBER 1982

AUGUST

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING AND DUST	NO WEATHER
N	3.7	6.8	1.2					4.3	23.0	19.9	62.1			11.8
NNE	.7	2.8						2.1	19.3	20.7	60.1			17.2
NE	2.0	3.0						1.0	12.9	11.9	72.3			14.9
ENE	1.2	4.9						3.7	7.3	4.9	88.5			32.9
E		4.3						2.1	2.9	1.4	84.3			41.4
ESE	3.0	4.0						9.9	7.9	1.0	38.6			53.5
SE	.9	3.8						7.5	2.8	.9	80.7			37.7
SSE	2.0	3.9						9.9	2.0	3.3	88.4			48.7
S	1.3	7.5						9.7	3.1	8.7	91.8			37.3
SSW	1.2	1.2						4.9	9.8	8.6	64.4			28.8
SW	.6	.6	.6					1.3	11.7	7.1	61.7			29.9
WSW		3.8	.8					1.5	7.7	16.9	66.2			25.4
W	.9	2.6	.9					3.4	11.2	12.1	65.8			23.3
WNW	6.3	6.3						6.3	18.6	21.9	83.1			9.4
NW		5.7						8.7	20.0	11.4	81.4			28.6
NNW	7.5	9.4						8.7	20.8	20.8	71.7			9.4
VARIABLE														
CALM	1.2	1.4						1.4	10.3	24.9	50.7			10.3
TOTAL	31	99	5					91	266	345	1450			682
% TOTAL	1.3	4.0	.2					3.7	10.7	13.9	58.5			27.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

97831  
STATION

REDFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

SEPTEMBER  
MONTH

NO. OF OBS.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.3	3.5	1.3					.4	22.6	11.3	58.7			23.9
NNE	5.5	1.4	.9					.5	21.7	11.1	56.7			23.0
NE	5.6	4.3							19.8	5.6	62.3			22.2
ENE	4.4	4.4						2.6	7.9	5.3	67.5			22.8
E	1.9	9.0	.6					2.6	6.5	2.6	57.4			32.3
ESE	2.6	6.4						2.6	7.7	3.8	52.6			35.9
SE		5.3						3.9	6.6	1.3	47.4			43.4
SSE		9.5	1.2					2.4	2.4	2.4	58.3			35.7
S	2.4	6.8						3.6	9.5	7.7	57.1			29.2
SSW	2.9	6.8						4.9	11.7	9.7	61.2			28.2
SW		2.6						3.9	16.9	14.3	66.2			15.6
WSW	1.3	5.0						1.3	10.0	20.0	56.3			27.5
W		4.4						3.3	15.4	13.2	57.1			23.1
WNW	2.0	4.1						4.1	14.3	6.1	65.3			24.5
NW		2.3						4.7	11.6	14.0	51.2			34.9
NNW	2.8	5.6						4.2	19.4	19.4	65.3			19.4
VARIABLE														
CALM														
TOTAL	56	98	7					46	388	287	1394			617
% TOTAL	2.3	4.1	.3					1.9	16.2	12.0	58.1			25.7

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

93331  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

OCTOBER  
MONTH

HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	1.0	.7					.7	14.0	9.0	33.3			50.3
NNE	7.4	.7	.7						12.9	8.5	31.6			54.4
NE	5.0								12.6	9.4	39.4			45.6
ENE	1.8	1.8	.9						4.6	.9	33.9			59.6
E		2.9							1.5	1.5	42.6			54.4
ESE	1.4							1.4	1.4	4.3	46.4			52.2
SE	2.7	2.7							2.7	5.4	48.6			40.5
SSE	3.8	3.8							5.8		50.0			48.1
S	2.1	6.4						1.1	4.3	7.4	39.4			51.1
SSW	1.5	1.5						1.5	6.0	3.0	50.7			43.3
SW									5.8	7.2	44.9			49.3
WSW								2.5	8.9	5.1	36.7			51.9
W	1.4	.7							5.6	2.1	34.9			61.3
WNW		1.1	2.3						8.0	3.4	31.0			60.9
NW	2.7	1.4	2.7						15.1	6.8	21.9			58.9
NNW	2.0	2.0	3.0						19.0	10.0	32.0			47.0
VARIABLE														
CALM	4.3	4.3							14.6	11.3	36.3			53.2
TOTAL	60	29	12					7	272	239	901			1243
% TOTAL	2.4	1.2	.5					.3	11.0	9.6	36.3			50.1

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

92431  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

NOVEMBER  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW GRAINS - PELLETS - SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.9	.5	3.7						19.4	4.6	36.6			39.8
NNE	4.7	.6	1.2						14.5	2.9	29.7			57.0
NE	4.1	2.7	2.0						21.1	1.4	30.6			47.6
ENE	2.9	2.0	1.0						11.8	2.0	26.5			58.8
E	2.2								5.5	1.1	30.8			63.7
ESE	7.5								12.5	7.5	35.0			55.0
SE	6.5	8.7	2.2						19.6	4.3	37.0			34.8
SSE	1.6	1.6							18.0	8.2	37.7			39.3
S	2.7	1.4	.7						10.8	10.1	44.6			42.6
SSW	1.9	.9	.9						11.2	15.9	39.3			43.9
SW	2.8		2.8						13.9	13.9	36.1			41.7
WSW			1.1						5.6	14.4	27.8			56.7
W	1.0	2.0							6.0	5.0	27.1			64.8
WNW	1.0		1.0					1.0	2.9	1.9	25.7			69.5
NW	1.2	2.4	3.7						20.7	3.7	39.0			45.1
NNW	2.8	.9	3.7						17.4	7.3	33.9			42.2
VARIABLE														
CALM	1.1	.8	.3						14.4	14.1	30.4			44.1
TOTAL	63	28	30					1	353	219	767			1180
% TOTAL	2.6	1.2	1.3					.0	14.7	9.1	32.0			49.2

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

97831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

DECEMBER  
MONTH

HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.6	.5	4.7		.9	.9			20.8	3.3	17.0			62.3
NNE	6.4	1.6	4.8						17.6	2.1	12.8			69.1
NE	12.4	1.0	1.9						24.8	3.8	19.0			52.4
ENE	11.1	1.9							18.5	7.4	27.8			51.9
E	9.1	2.3							22.7		27.3			52.3
ESE	7.4	14.8							14.8		22.2			63.0
SE	6.7	3.3							13.3	3.3	23.3			56.7
SSE	12.3	1.4	1.4						26.0	4.1	35.6			41.1
S	6.4	3.5	1.5						19.3	7.9	27.7			46.3
SSW	7.3	6.5	.8					1.6	14.5	14.5	29.8			38.7
SW	5.1		2.0						17.2	3.0	29.3			52.5
WSW	3.0	1.5	.8					.8	12.8	5.3	14.3			67.7
W	2.8	1.1	1.4						12.6	1.4	16.1			70.5
WNW	4.1	1.4	.7						13.5	2.0	19.6			66.9
NW	7.9	1.0	2.0						26.7	3.0	15.8			60.4
NNW	9.8	1.2	4.9						40.2	2.4	20.7			47.6
VARIABLE														
CALM	4.5	1.1	.7						22.2	14.0	24.0			44.6
TOTAL	149	43	45		2	2		3	484	159	532			1381
% TOTAL	6.0	1.7	1.8		.1	.1		.1	19.5	6.4	21.5			58.7

TOTAL NUMBER OF OBSERVATIONS

2,478

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

77631  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

ALL  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.8	2.2	3.1	.2	.4	.2		1.3	20.8	8.2	37.0	.2		41.1
NNE	6.2	1.9	1.3	.1	.1			.5	18.6	8.8	36.8			43.3
NE	6.0	3.0	1.1	.1	.2			.7	18.7	6.9	41.6			38.0
ENE	3.9	2.8	.8		.1			1.2	12.3	9.3	43.0			41.9
E	2.8	4.7	.5					2.1	10.2	4.0	42.6			44.0
ESE	2.3	4.2	.2					2.9	9.1	4.2	40.4			48.5
SE	2.7	3.6	.6					2.6	8.4	3.6	40.8			47.2
SSE	2.3	4.3	.5					2.0	8.7	4.3	39.1			48.4
S	2.9	4.0	.3					2.6	9.2	7.9	42.1			41.9
SSW	2.5	3.7	.3					1.8	10.7	9.9	46.3			37.7
SW	1.2	2.2	.6					1.9	10.2	8.4	46.7		.1	39.3
WSW	.9	2.7	.4					1.3	8.8	9.6	39.8		.1	46.3
W	1.2	1.8	.7			.0		1.1	7.5	5.0	32.8		.1	57.5
WNW	2.1	1.8	.7			.3		.8	9.3	3.9	27.2		.1	60.9
NW	2.7	2.3	2.2			.3		1.7	18.6	6.6	27.8			50.8
NNW	5.3	2.3	1.8		.1	.2		1.5	22.6	9.0	32.9	.1		44.0
VARIABLE														
CALM	1.5	1.3	.1					.6	17.7	20.1	34.8			39.6
TOTAL	814	765	232	6	13	12		412	3912	2789	11243	4	5	12623
% TOTAL	2.8	2.6	.8	.0	.0	.0		1.4	13.4	9.5	38.5	.0	.0	43.9

TOTAL NUMBER OF OBSERVATIONS

29,209

NAVWEASERVCOM

NOCD. Federal Building  
Asheville, N. C.

## C PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION SEAFORT, SC STATION NAME 57-87 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	5.0	5.1	2.7	5.0	3.4	2.1	5.4	6.1	1.0	.1				32.0	775	3.47	6.89	1.02
FEB	5.0	1.2	2.5	4.1	3.7	6.5	5.9	5.8	2.4					31.4	706	3.37	6.69	.91
MAR	5.0	8.9	2.1	4.4	3.6	6.1	6.1	6.8	3.0	.3				32.3	775	4.11	8.90	.63
APR	6.4	9.1	1.5	3.6	3.1	3.6	5.1	3.2	2.1	.4				22.5	750	2.95	6.16	.10
MAY	5.0	12.0	2.3	5.2	2.7	4.3	5.3	4.3	4.2	.5				28.9	775	4.38	10.54	.49
JUN	5.2	10.7	1.7	4.8	3.6	6.5	7.5	6.4	4.3	1.1	.3			36.1	750	6.07	13.57	.90
JUL	44.6	11.6	1.7	7.5	4.9	7.1	8.1	8.1	5.0	1.3				43.7	775	7.05	19.12	2.64
AUG	11.1	9.3	1.9	7.6	3.1	5.9	6.1	6.8	6.7	.9	.5			39.6	775	7.58	18.72	1.27
SEP	57.8	11.7	2.2	5.4	3.2	5.7	4.4	5.3	3.6	.7				37.6	720	4.41	12.28	.59
OCT	72.6	5.0	.9	4.3	2.7	4.1	2.3	2.5	2.3	.3				19.4	775	2.56	10.35	.04
NOV	67.7	10.0	1.3	6.0	3.1	4.5	2.6	1.7	1.4		.1			21.0	740	2.13	7.75	.31
DEC	62.8	9.3	1.4	5.2	3.5	6.5	5.5	3.3	2.1	.5				27.9	806	3.19	6.32	1.04
ANNUAL	57.6	9.9	1.8	5.3	3.4	5.7	5.4	5.0	3.3	.5	.1			37.9	9162	5.27		

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION 0141FORT, SC STATION NAME 57-87 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	97.4	2.2		.4										.4	775	.1	2.0	.7
FEB	97.7	1.3		.1		.1		.1						.4	706	.4	6.4	.1
MAR	99.4	.5	.1											.1	775	TRACE	.2	.7
APR	100.0														750	.0	.0	.7
MAY	100.0														775	.0	.0	.7
JUN	100.0														750	.0	.0	.7
JUL	99.2	.1													775	TRACE	TRACE	.7
AUG	99.2	.1													775	TRACE	TRACE	.7
SEP	99.2	.1													720	TRACE	TRACE	.7
OCT	100.0														775	.0	.0	.7
NOV	100.0														740	.0	.0	.7
DEC	99.4	.6													806	TRACE	TRACE	.7
ANNUAL	99.1	.4	.0	.0		.0		.0						.1	9162	.5	X	X

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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION SEA FORT, SC STATION NAME 57-80 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.0	0.0	0.1											0.1	775			
FEB	0.0	0.1	0.1			0.1								0.3	670			
MAR	0.0	0.1													775			
APR	1.0														750			
MAY	1.0														775			
JUN	1.0														750			
JUL	1.0														775			
AUG	1.0														775			
SEP	1.0														700			
OCT	1.0														775			
NOV	1.0														750			
DEC	0.0	0.0													806			
ANNUAL	0.0	0.1	0.0			0.0								0.0	9134			

NAVWEASERVCOM

## EXTREME VALUES

93831

BEAUFORT, SC

57-82

STATION

STATION NAME

**YEARS**

24 HOUR AMOUNTS IN INCHES

[illegible]

## SMOS

## EXTREME VALUES

02031  
STATION

BEAUFORT, SC

**57-82**

STATION NAME

**YEARS**

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]**SMOS**



## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

57-87

**YEARS**

[illegible]

## SMOS

## EXTREME VALUES

93831  
STATION

BEAUFORT, SC

57-82

STATION

STATION NAME

**YEARS**

[illegible]**SMOS**

## EXTREME VALUES

93831  
STATIC

BEAUFORT, SC

57-82

STATION NAME

**YEARS**

## DAILY SNOW DEPTH IN INCHES

[illegible]

## SMOS

## EXTREME VALUES

47531

4FAJFORT, SC

57-82

STATION

STATION NAME

**YEARS**

[illegible]**SMOS**

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1931 31 AUGUST, SC

1954-1983

STATION

STATION NAME

YEARS

JANUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.4	36	1967			
2	1.23	32	1979			
3	1.40	36	1977			
4	1.55	39	1982			
5	1.15	29	1971			
6	1.40	35	1962			
7	1.31	34	1963			
8	1.35	34	1975			
9	1.34	34	1964			
10	0.85	22	1967			
11	1.45	37	1972			
12	1.13	29	1964			
13	1.11	28	1958			
14	1.4	37	1972			
15	1.72	44	1968			
16	1.2	30	1959			
17	1.48	38	1964			
18	1.42	36	1967			
19	1.51	39	1978			
20	1.12	29	1963			
21	1.83	47	1983			
22	1.23	31	1966			
23	1.81	46	1975			
24	1.4	36	1958			
25	1.4	36	1966			
26	1.00	25	1980			
27	1.47	37	1976			
28	1.00	25	1973			
29	1.7	43	1974			
30	1.71	43	1967			
31	1.62	41	1959			
Monthly	1.23	32	1979	1.0	25	1977

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	25	1972			
2	1.77	45	1978			
3	1.08	27	1972			
4	1.39	35	1958			
5	1.42	36	1960			
6	1.11	28	1979			
7	0.96	24	1961			
8	1.32	34	1971			
9	0.77	20	1967			
10	0.64	16	1973			
11	1.36	35	1981			
12	1.75	44	1982			
13	1.67	42	1983			
14	1.27	32	1965			
15	1.00	25	1969			
16	1.29	33	1976			
17	1.10	28	1965			
18	2.45	62	1964			
19	0.57	14	1963			
20	0.07	2	1975			
21	0.40	10	1979			
22	0.63	16	1975			
23	1.44	37	1979			
24	1.43	36	1963			
25	0.97	25	1980			
26	1.07	27	1958			
27	1.45	37	1964			
28	1.45	37	1966			
29	0.26	7	1968			
30						
31						
Monthly	2.45	62	1964	6.4	163	1973

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNA/OCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1931  
STATION

DAWSON, NC

STATION NAME

1952-1983

YEARS

MARCH  
MONTH

APRIL  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.74	20	1962			
2	1.15	30	1962			
3	1.15	30	1969			
4	2.43	62	1966			
5	2.74	70	1959			
6	1.81	46	1983			
7	1.30	33	1958			
8	1.32	35	1973			
9	1.00	27	1978			
10	0.69	18	1967			
11	0.36	9	1962	0.3	8	1967
12	2.25	57	1980			
13	1.45	38	1980			
14	0.67	18	1976			
15	0.65	17	1962			
16	1.35	35	1972			
17	1.98	50	1983			
18	3.62	87	1961			
19	0.44	12	1977			
20	1.83	46	1970			
21	0.56	14	1961			
22	1.25	32	1981			
23	1.27	32	1965			
24	1.45	37	1975			
25	0.85	22	1973			
26	1.25	32	1964			
27	0.55	14	1983			
28	0.22	56	1985			
29	0.51	13	1959			
30	1.21	31	1958			
31	0.82	23	1965			
Monthly	2.74	70	1959	0.3	8	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.71	49	1981			
2	7.80	20	1960			
3	0.56	14	1973			
4	0.76	19	1967			
5	1.24	31	1982			
6	0.89	23	1963			
7	0.28	7	1973			
8	0.46	22	1964			
9	1.40	36	1961			
10	0.27	7	1954			
11	1.37	35	1962			
12	1.96	50	1961			
13	1.25	32	1975			
14	3.71	89	1975			
15	1.88	48	1958			
16	0.29	7	1958			
17	0.52	13	1982			
18	0.44	11	1978			
19	0.52	13	1959			
20	0.22	6	1975			
21	0.36	10	1981			
22	0.06	2	1958			
23	2.80	71	1983			
24	0.56	14	1967			
25	2.95	78	1979			
26	2.30	58	1965			
27	0.83	21	1964			
28	0.53	14	1958			
29	1.31	33	1966			
30	4.38	124	1976			
31						
Monthly	4.68	124	1976			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

931

BEAUFORT, SC

1954-1983

STATION

STATION NAME

YEARS

May  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.7	20	1976			
2	0.6	68	1964			
3	0.6	46	1975			
4	0.4	16	1967			
5	1.5	39	1974			
6	0.4	11	1958			
7	0.7	20	1981			
8	0.7	23	1971			
9	1.0	39	1979			
10	0.7	22	1961			
11	1.3	35	1958			
12	0.7	36	1974			
13	1.0	37	1959			
14	0.7	19	1972			
15	1.1	28	1969			
16	1.0	76	1975			
17	1.3	35	1980			
18	0.5	10	1960			
19	0.4	87	1969			
20	1.0	26	1981			
21	1.0	27	1979			
22	1.0	50	1967			
23	2.3	60	1966			
24	1.4	42	1976			
25	1.3	86	1959			
26	1.1	30	1968			
27	1.6	42	1966			
28	1.2	41	1965			
29	1.1	49	1970			
30	0.5	15	1963			
31	1.0	27	1967			
Monthly	0.4	87	1969			

June  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.3	3	1982			
2	0.6	20	1979			
3	1.1	28	1978			
4	2.7	71	1982			
5	0.2	21	1962			
6	2.3	61	1968			
7	1.1	28	1968			
8	1.3	35	1968			
9	1.6	43	1973			
10	1.0	28	1966			
11	0.4	72	1965			
12	2.8	72	1975			
13	3.0	88	1969			
14	1.0	27	1969			
15	0.1	23	1958			
16	5.0	139	1979			
17	3.2	82	1976			
18	0.4	137	1982			
19	3.1	81	1972			
20	1.4	37	1960			
21	0.2	13	1980			
22	3.0	99	1963			
23	1.6	41	1982			
24	2.0	62	1980			
25	3.0	88	1962			
26	1.7	44	1963			
27	1.0	39	1974			
28	0.5	22	1961			
29	0.3	8	1983			
30	0.1	23	1965			
31						
Monthly	5.0	139	1979			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.59	51	1966			
2	2.53	64	1964			
3	1.72	38	1959			
4	1.70	38	1972			
5	1.54	39	1973			
6	0.29	25	1976			
7	1.20	31	1967			
8	1.44	37	1963			
9	0.12	54	1964			
10	1.71	38	1967			
11	0.77	121	1961			
12	1.44	38	1959			
13	0.67	17	1961			
14	1.73	44	1982			1982
15	1.72	44	1975			
16	1.70	43	1959			
17	3.56	93	1977			
18	3.87	99	1964			
19	1.73	44	1965			
20	0.27	21	1964			
21	1.10	79	1964			
22	3.63	92	1983			
23	1.94	49	1981			
24	0.77	20	1973			
25	2.75	75	1980			
26	1.24	31	1977			
27	0.98	25	1974			
28	1.04	26	1982			
29	2.63	67	1967			
30	1.78	45	1966			
31	0.40	10	1959			
Monthly	0.77	121	1961			1982

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.37	60	1979			
2	1.70	46	1983			
3	5.78	149	1969			
4	2.96	73	1969			
5	0.70	23	1966			1982
6	3.71	76	1974			
7	2.27	58	1975			
8	2.56	63	1974			
9	2.77	53	1977			
10	1.46	37	1974			
11	2.63	64	1967			
12	1.45	37	1971			
13	1.96	50	1961			
14	0.49	12	1977			
15	5.76	147	1963			
16	5.77	129	1971			
17	2.20	56	1971			
18	1.96	50	1977			
19	0.89	23	1981			
20	2.98	73	1961			
21	1.01	26	1973			
22	0.77	20	1971			
23	1.13	29	1969			
24	0.76	19	1977			
25	1.03	26	1971			
26	6.16	156	1961			
27	2.12	54	1962			
28	3.93	100	1964			
29	2.74	65	1964			
30	1.50	38	1976			
31	2.39	61	1969			
Monthly	6.16	156	1961			1982

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1983

P. AUFORT, SC

1958-1983

STATION

STATION NAME

YEARS

SEPTEMBER  
MONTH

OCTOBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.8	71	1969			
2	1.46	47	1969			
3	1.85	22	1977			
4	4.76	121	1979			
5	1.15	29	1959			
6	7.76	70	1962			
7	1.54	39	1979			
8	1.2	30	1960			
9	1.85	14	1967			
10	1.53	49	1964			
11	3.0	59	1964			
12	1.41	41	1964			
13	1.23	31	1972			
14	4.38	112	1976			
15	1.74	20	1958			
16	1.21	31	1974			
17	1.57	40	1975			
18	1.74	52	1960			
19	1.54	14	1966			
20	1.35	9	1982			
21	1.62	16	1983			
22	1.63	16	1975			
23	1.06	27	1975			
24	1.12	28	1965			
25	1.62	16	1982			
26	1.54	39	1973			
27	1.60	15	1970			
28	1.53	39	1987			
29	5.8	147	1959			
30	1.53	39	1987			
31						
Monthly	5.80	147	1959			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.75	14	1966			
2	1.39	35	1964			
3	0.41	13	1969			
4	1.56	42	1962			
5	1.04	26	1964			
6	0.27	7	1965			
7	1.58	40	1965			
8	0.60	15	1975			
9	1.40	46	1971			
10	0.62	16	1981			
11	T	T	1981			
12	0.77	20	1977			
13	0.54	16	1983			
14	1.48	38	1959			
15	2.49	63	1964			
16	1.25	32	1964			
17	2.32	59	1975			
18	0.69	18	1968			
19	2.07	53	1964			
20	1.07	78	1970			
21	1.40	36	1959			
22	0.70	18	1959			
23	0.84	21	1980			
24	0.44	12	1982			
25	0.45	11	1976			
26	0.11	3	1981			
27	0.22	6	1981			
28	0.64	16	1980			
29	4.84	118	1959			
30	1.01	26	1971			
31	0.41	13	1971			
Monthly	4.54	118	1959			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

331  
STATION

DAUPHIN, SC  
STATION NAME

1957-1983  
YEARS

NOVEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	6.36	174	1969			
2	0.25	7	1979			
3	0.02	2	1962			
4	0.12	3	1987			
5	1.11	28	1963			
6	0.12	3	1974			
7	1.04	26	1959			
8	0.32	8	1962			
9	1.00	25	1968			
10	0.13	34	1965			
11	1.12	28	1968			
12	0.27	7	1975			
13	0.27	7	1965			
14	0.44	12	1957			
15	0.44	12	1983			
16	1.00	25	1957			
17	0.33	8	1976			
18	1.23	31	1968			
19	0.17	4	1957			
20	0.60	15	1983			
21	0.60	15	1978			
22	0.42	11	1965			
23	0.81	21	1961			
24	1.23	31	1971			
25	1.09	28	1979			
26	1.32	34	1976			
27	0.67	17	1963			
28	1.13	29	1976			
29	2.32	59	1972			
30	1.42	36	1978			
31						
Monthly	6.56	174	1969			

DECEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.27	32	1977			
2	0.71	18	1981			
3	2.04	72	1968			
4	2.08	73	1964			
5	0.73	19	1977			
6	2.11	54	1979			
7	1.28	33	1976			
8	1.31	33	1973			
9	0.31	8	1969			
10	1.23	31	1969			
11	1.38	35	1983	T	T	1950
12	2.60	68	1982			
13	0.49	12	1963			
14	1.00	27	1977			
15	1.72	44	1974			
16	1.49	38	1973	T	T	1973
17	0.77	20	1975	T	T	1973
18	0.56	14	1966			
19	1.12	28	1965			
20	1.01	26	1973			
21	0.94	24	1983			
22	0.18	5	1967			
23	0.47	12	1966			
24	2.70	71	1978			
25	0.46	12	1981			
26	0.76	19	1976	T	T	1980
27	0.41	10	1958	T	T	1980
28	1.15	29	1967			
29	1.11	28	1981			
30	1.30	33	1982			
31	2.19	56	1981			
Monthly	2.40	73	1964	T	T	1980

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NOCD, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

17471 HEADPORT, SC 57-87  
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57													
58	40W 42W	67W	38S	59WSW	46NNW	44NW	41NE	40SSE	35NE	30NE	25N	30	W 40
59	4 34W	32WSW	43N	30WSW	44W	39SE	42WSW	24W	120	W	70W	31	W 43
60	NNE 27WNW	45NW	34W	40NW	55ENE	29WNW	28SW	34NNW	40S	23WNW	20NW	30	W 45
61		W 39S		54N	33	SW	46SSE	41ENE	35W	29NW	33N	37	NE 40
62	W 39WSW	24SSW	35W	39NE	44NE	50W	29NNW	34ENE	25W	27W	40NNW	37	NE 40
63	W 36SSW	42WNW	34SSW	34NE	36NW	34NW	31E	27S	37NE	41W	43W	31	W 43
64	WSW 43W	40N	33S	37E	35NNW	37NNW	42NE	39SSE	44NE	30NW	36N	29	SSW 46
65	W 37W	44N	34SSW	30N	28W	32SSW	33E	40WSW	23SSW	35NW	32N	27	W 45
66	W 47SSW	45W	38W	37WSW	30SE	17N	44N	24E	28SW	25W	37W	29	W 46
67	W 32NW	30W	31W	28W	40ENE	25NE	35W	26NE	21W	26NW	39SSW	34	W 40
68	W 27WNW	39NNW	33WSW	30W	29ESE	36SSE	28NE	24SW	29W	27W	35NW	34	WNW 39
69	W 24E	34N	37W	28SSW	24NNW	29W	33E	32NE	20NE	25NE	46SSW	29	ENE 46
70	W 30NW	35W	27SSW	37ENE	31NW	32SE	34W	22NW	24E	26W	31WNW	33	W 34
71	W 3925	3929	4227	2625	3732	27					27	31	
72		31	3929	3923	2625	2911	4002	3928	3705	26	2922	3030	35
73	19	3005	3119	3716	3428	5517	3214	4123	3827	2924	3132	3024	33
74	20	2919	3325	3522	3521	32		32	2332	1821	17	27	25
75	26	3827	3025	3927	3731	3327	3124	2827	5504	4316	2916	26	
76			29	35	30	33	27	3730	4204	3217	3028	2725	34
77	27	3427	3427	3427	3305	3032	4322	4024	2821	3435	2727	3026	32
78	25	3727	3117	2934	2820	3527	3136	4518	2304	2202	2219	3129	25
79	29	3319	2937	3437	2903	2932	3037	3503	2207	4309	35		
80	31	2929	3925	3427	4129	3108	2627	2619	2226	5426	3225	2801	27
81	29	2621	3527	4628	3118	2406	5301	3224	3619	2428	2528	2928	28
82	14	3329	3131	3628	3020	2229	3934	3727	3336	2001	3031	2834	30
MEAN	13.5	36.5	36.1	34.5	34.7	34.9	35.6	32.3	34.6	28.3	32.4	31.7	35.0
S.D.	5.414	7.862	4.157	4.005	4.263	7.466	6.148	6.563	20.547	4.903	6.099	4.005	6.867
TOTAL OBS.	677	648	775	717	771	656	712	736	717	709	719	709	8348

SMOS

## EXTREME VALUES

27531

21 AUGUST, 50

57-82

STATION

STATION NAME

**YEARS**

[illegible]

## SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

73-82

JAN

STATION NAME

STATION NAME

YEAR

MONTH

ALL WEATHER

01

HOUSE (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.3	2.9	1.6	.3								5.5	5.4
NNE	1.3	2.9	1.6									5.8	5.5
NE	1.6		1.6									3.2	5.0
NNE	.3		.6									1.0	6.0
E	1.6	.6										1.9	3.0
ESE	.6		.3									1.0	5.0
SE	.6		.3									1.0	3.3
SSE	1.3	.3	.3									1.9	3.8
S	1.9	.6	2.6	1.0								6.1	7.2
SSW	1.6	3.5	2.3		.3							7.7	5.8
SW	1.0	2.6	1.3									4.8	5.3
WSW	.6	1.6	1.3									3.5	5.5
W	2.0	4.5	7.1	1.3								15.8	6.5
WNW	1.9	2.9	1.3	1.0								7.1	6.4
NW	.6	.3	1.6									2.6	6.5
NNW	1.0	.3	.6	.3								2.3	5.9
VARB.													
CALM												28.7	
	20.0	23.2	23.9	3.9	.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97931

BEAUFORT, SC

73-92

JAN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

DAY

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.3	1.9									7.4	4.4
NNE	1.3	1.2	2.3									5.5	5.5
NE	.7	1.3	1.6									3.2	6.1
NNE		.7	.3									.6	7.0
E	.3	.3										.6	2.5
ESE		.2										.6	4.0
SE	.3											.3	2.0
SSE	.3	.6			.3							1.3	7.3
S	1.3	.6	2.9	.6								5.5	7.0
SSW	1.6	1.6	1.0	.3								4.5	5.1
SW	1.3	1.3	1.0									3.6	5.1
WSW	1.9	3.5	2.3	.6								8.4	5.6
W	2.9	2.6	3.5	1.9								12.9	6.9
WNW	2.9	2.3	2.6	.3								8.1	5.3
NW	1.9	1.3	.3	.3								3.9	4.3
NNW	2.3	1.9	.3									4.5	3.6
VARB													
CALM												29.0	
	21.9	22.6	21.9	4.2	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97871  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

JAN

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.5	2.6									8.1	5.2
NNE	1.6	3.2	2.3	.6								7.7	5.9
NE	.6	2.3	1.3									4.2	5.8
NNE		.6	1.0									1.6	7.2
E	.6											.6	2.5
ESE		.3										.3	5.0
SE	1.0											1.3	2.7
SSE	.3	.3	.3									1.0	5.3
S	1.3	2.6	.6	.6								5.2	5.6
SSW	.6	2.3	1.0	.3								4.2	6.2
SW	1.6	1.9	1.0	.3								4.8	5.2
WSW	1.3	2.6	1.9	.3								6.1	6.2
W	1.2	5.5	4.2	1.0	.3							14.2	6.2
WNW	2.6	2.9	1.6	.3								7.4	5.0
NW	.6	.4	.3									1.4	5.5
NNW	2.6	.6	1.0									4.2	4.2
VARBL													
CALM												28.1	
	20.0	28.7	19.0	3.9	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

73431  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.2	2.9	1.3								8.1	7.2
NNE	1.2	4.5	2.9	1.0								11.6	6.1
NE	.6	2.3	1.9	1.3								6.1	7.2
ENE	.6	2.3	1.3	.3								4.5	6.3
E	.3	1.0	.3									1.6	5.6
ESE	.6	.3										1.0	3.7
SE	.3											.3	3.0
SSE		1.3	.6									1.9	6.7
S	.6	2.3	2.3									5.2	6.3
SSW	.6	1.0	1.0	.6	.3							3.5	8.1
SW		1.2	1.9		.3							5.5	7.0
WSW	.3	2.6	3.5	2.6	.6							9.7	9.0
W	.6	2.6	6.5	2.3	.3							12.3	8.3
WWW	1.6	2.9	3.5	1.9								10.0	7.3
NW		1.0	2.6									3.5	7.8
NNW	1.6	1.9	1.9									5.5	5.2
VARIABLE													
CALM												9.7	
	12.3	31.9	33.2	11.3	1.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93931

REAFORT, SC

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	2.4	.3								4.8	6.6
NNE	1.3	3.5	3.2	.6								8.7	6.3
NE	.3	1.0	1.7	.3								2.6	7.3
ENE	1.9	.6	.3									2.6	3.6
E	.6	2.3	1.3	.3								4.8	6.6
ESE	1.0	1.6	.3									2.6	4.7
SE	1.7	.3										1.3	3.5
SSE	.3	1.9	.6	1.7								3.9	7.2
S	1.0	2.3	3.5	.6	.6							8.1	7.7
SSW	.3	1.3	1.9	.3								3.9	7.1
SW	1.9	1.0	1.6	.3								3.9	6.6
WSW	.3	1.9	3.5	1.9	.3							8.1	8.6
W	.3	4.2	9.0	6.8	1.3							21.3	9.8
WNW	.3	1.9	2.3	1.9								6.5	8.6
NW	1.9	2.6	2.6	.3								7.4	5.9
NNW	1.0	1.3	1.3	.6								4.2	6.5
VARB.													
CALM												5.2	
	13.2	29.4	34.8	15.2	2.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97471  
STATION

STATION NAME  
STANFORD, S.C.

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	7.9	1.3								7.7	7.2
NNE	.6	1.6	1.6	.3								4.2	6.3
NE	1.0	.3	1.0	.3								2.6	6.1
NNE	.6	.6	1.0									2.3	5.6
E	1.6	3.5	1.6	.3								7.1	5.6
ESE	1.0	1.0	1.0									4.8	5.7
SE	1.0	1.6										2.6	3.5
SSE	.6	2.3	3.2	.3								6.5	6.6
S	1.0	.6	4.2	2.3								8.1	8.9
SSW		1.0	.6									1.6	7.2
SW	1.0	1.0	1.6	.3								3.9	6.3
WSW	.3	2.6	2.9	2.3	.3							8.4	8.7
W	1.0	4.5	6.5	7.7	.6							20.3	9.6
WW	.6	1.9	3.9	1.3								7.7	8.2
NW	.3	.3	1.6	1.0								3.2	8.9
NNW	.6	1.0	1.3	.3								3.2	6.8
VARS													
CALM												5.8	
	13.2	25.5	36.8	17.7	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

REAFORT, SC  
STATION NAME

73-82  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.7	1.0	.3								4.6	5.9
NNE	1.5	1.3	1.6	.3								4.5	5.9
NW		.6	1.6	.3								2.6	8.3
NNE	2.3	.6	.6									3.5	4.0
S	1.9	1.3	.6									3.9	4.2
SSE	1.9	.3	.6									2.9	3.7
SE	2.3	1.0										3.2	2.8
SSE	2.3	1.0	.6	.6								4.5	5.6
S	4.2	6.5	2.3			.3						13.2	5.0
SW	1.0	1.6	1.0									3.5	4.8
SW	.6	1.3	.6									2.6	4.9
WSW	1.9	2.6	1.6									6.1	4.6
W	4.8	4.2	4.5	1.9								15.5	6.2
WSW	1.6	1.3	1.3	1.0								5.2	6.5
NW	.6	.6	1.0									2.3	5.1
NNW	.3	1.6										1.9	3.8
YARL													
CALM												19.7	
	27.7	26.7	19.0	4.5		.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

310

SMC

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97801  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.6	1.6									5.2	5.0
NNE	1.9	1.9	1.3									5.2	4.6
NE	.6	1.9	1.7	.3								3.9	5.8
NNE	1.7		.6									1.6	4.8
E	1.7	.6										1.6	2.6
ESE	1.7		.3									1.6	3.0
SE		1.7		.3								1.6	6.8
SSE	.6	1.7	.3	.3								2.3	6.0
S	1.6	2.3	3.8	.3								7.7	6.5
SSW	3.9	2.6	1.3									7.7	4.1
SW	1.3	2.3	1.3			.3						5.2	6.3
WSW	1.6	2.6	1.7									5.2	4.6
W	1.9	3.9	6.1	2.6								14.5	7.6
WWW	1.6	1.0	1.6	1.0								5.2	6.9
NW	.3	.3	.6									1.3	5.8
NNW	.3	1.0	.6									1.9	6.0
VARB													
CALM												28.4	
	21.0	24.2	21.3	8.8		.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

OBSERVATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.3	2.1	.4								6.5	5.9
NNE	1.4	2.6	2.1	.4								6.7	5.8
NE	.6	1.2	1.4	.3								3.4	6.4
ENE	.3	.6	.7	.3								2.3	5.3
E	1.1	1.2	.5	.1								2.7	4.9
ESE	.8	.6	.4									1.9	4.6
SE	.8	.5	.7	.0								1.4	3.6
SSE	.7	1.1	.4	.3	.3							2.9	6.2
S	1.6	2.2	2.7	.7	.1	.0						7.4	6.7
SSW	1.2	1.9	1.2	.2	.1	.0						4.4	5.7
SW	1.7	1.8	1.3	.1	.0	.0						4.3	5.9
WSW	1.0	2.5	2.3	1.0	.2							6.9	6.9
W	2.2	4.0	6.7	3.1	.3							15.8	7.8
WNW	1.7	2.1	2.3	1.1								7.1	6.7
NW	.8	.8	1.3	.2								3.2	6.2
NNW	1.2	1.2	.6	.2								3.4	5.2
VARIABLE													
CALM												19.3	
	18.7	26.8	26.2	8.2	.7	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

SEA FORT, SC

STATION NAME

73-82

YEARS

PER

MONTH

01

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	1.1	1.1	.4								5.0	5.0
NNE	1.5	1.1	1.1									4.6	5.3
NE	.7	1.1	1.1	1.1								3.9	7.5
ENE	2.1	.7	.7	.4								3.9	4.9
E	.7	.7	.4	.4								2.1	4.7
ESE	.4											.4	3.0
SE	.4		.4	.7								1.4	8.5
SSE	.7	.7	.4									1.8	3.8
S	1.8	3.9	1.1	.7	.4							7.8	6.5
SSW	1.6	2.1	1.1									5.0	4.6
SW	1.4	2.8	1.1									5.3	4.5
WSW	2.5	2.5	1.1	.7								6.7	5.2
W	2.5	3.8	1.8	.7	.7							9.7	6.9
WW	2.5	3.2	2.5	1.8								9.9	6.4
NW		1.4	1.1	.7								3.2	7.1
NNW		1.8	.7	.7								3.2	7.7
VARIABLE													
CALM												26.6	
	21.6	26.6	16.0	8.2	1.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

282

SNOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

73-82

PER

STATION NAME

YEARS

MONTH

ALL WEATHER

DAY

CLASS

WINDS (L E T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	2.1	.4								5.3	6.4
NNE	2.5	2.8	1.1	1.1								7.4	5.9
NE	1.1	1.4	.4	1.1								3.9	7.0
NNE	1.1	1.4	.7									3.5	5.0
E	.4											.4	2.0
ESE	.7											.7	2.5
SE			.4									.4	7.0
SSE	1.4	.7	.4	.4	.4							3.2	6.6
S	1.4	1.4	1.1	1.1								5.3	6.3
SSW	7.1	2.5	1.1									5.7	4.4
SW	1.1	2.5	1.4	.4								5.3	5.7
WSW	2.1	3.9	2.1	.4								8.5	5.4
W	2.8	1.4	1.8	1.8								7.8	6.6
WNW	1.4	3.2	2.5		.4							7.4	6.6
NW	3.9	1.1	1.1	.4								5.3	4.5
NNW	1.1	2.5	1.1									4.6	5.1
VARIABLE													
CALM												75.2	
	23.4	27.0	17.0	6.7	.7							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

282

8805



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

SEA FORT, SC

STATION NAME

73-82

YEARS

FFR

PORTS

ALL WEATHER

CLASS

7

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.2	2.5	3.2	.4								9.9	5.7
NNE	1.4	3.2	2.1	.7	.4							7.8	6.9
NE	.7	2.1										2.8	4.6
ENE	.7	.7		.4								1.5	5.0
E	.7	.4	.4									1.4	4.8
ESE	.7											.7	2.7
SE	.4											.4	3.0
SSE	.4	.7	.4									1.4	5.8
S	1.4	2.1	1.4	.7	.7							6.4	7.9
SSW	1.1	2.1	.7									3.9	4.5
SW	1.1	1.1	1.1	.4								3.5	5.5
WSW	2.5	3.2	3.2									8.9	5.3
W	2.5	2.8	2.1	1.1	.4							8.9	6.5
WNW	2.8	2.5	1.8	.4	.4							7.8	5.6
NW	1.8	2.5	.4									4.6	3.6
NNW	1.1	3.2	.4	.4								5.7	5.1
VARB.													
CALM												24.8	
	22.3	29.1	17.7	4.3	1.8							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17811 STATION NAME STA FORT, SC YEARS 73-82

ALL HEATED

CLASS

CONDITION

FEB NORTH 10 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	5.7	1.8								10.6	8.0
NNE	1.3	3.2	4.3	.7								8.8	6.8
NE	.7	3.2	4.6	.4	.4							9.7	7.3
ENE	1.1	1.8	1.4									4.7	5.0
E	1.1	1.4	.7									3.7	4.9
ESE	.4	.4		.4								1.1	7.7
SE		1.8										1.4	4.8
SSE		.4	1.1									1.4	7.5
S	1.2	1.9	2.4	.7	.4							7.4	7.2
SSW	.4	.7	1.4	1.4								3.6	9.1
SW	.4	1.1	1.0	1.4								4.6	8.3
WSW	.7	3.9	2.1	1.4								8.7	7.0
W	.7	1.4	4.6	2.1								9.2	8.6
WNW	.4	.4	2.8	1.4	.4							5.3	9.6
NW	1.1	2.1	3.2	.7								7.1	7.0
NNW	1.1	1.8	1.4	.4								4.6	5.7
VARBL													
CALM												8.5	
	12.1	29.0	37.9	12.8	1.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
97871

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTH  
FEB

CLASS  
ALL WEATHER

13

NOVEMBER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.4	4.6	1.4								8.5	7.8
NNE	.7	2.5	.7	.7								4.6	6.1
NE	1.1	1.5	1.1	.4								4.3	5.5
ENE	.7	2.1	2.5	.4								5.7	6.4
E	2.1	1.3	2.1	.7								6.7	6.3
ESE		.7	2.1									2.3	7.1
SE	.4	.4	.7	1.1								2.5	9.0
SSE	.4	.7	2.1	1.1								4.3	7.8
S	.7	2.8	3.2	2.5								9.2	9.0
SSW	.7	1.1	3.2	1.4								6.4	8.1
SW	.7	1.4	1.4	1.1								4.6	7.5
WSW	.7	.7	2.1	.7								4.3	8.0
W	2.5	2.8	5.7	3.2								14.5	8.0
WNW	.4	2.5	3.5	2.8	.4							9.6	9.4
NW	.4	1.4	.4	1.4								3.5	8.7
NNW	1.4	.7	.7	.7								3.5	6.7
VARB													
CALM												5.0	
	14.2	24.8	36.2	19.5	.4							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

252

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
17071

BEAUFORT, SC

STATION NAME

73-82

YEARS

FEB

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	2.4	.4								4.6	7.1
NNE			1.1	1.1								2.1	11.0
NE	.7	1.1	1.1									2.8	4.9
ENE		.2	1.4									4.6	5.6
E	1.8	1.8	2.1	2.1								7.8	7.2
ESE	.7	3.2	2.5	.4								6.7	6.5
SE		2.5	1.4	.4								4.3	6.8
SSE	.4	2.8	2.8	2.1								8.2	7.6
S		2.8	5.0	1.8	.4							9.9	9.6
SSW	.4	1.4	2.5									4.3	6.6
SW		1.1	1.1	1.4								3.5	9.2
WSW	.4	1.8	2.5	2.5								7.1	9.0
W	.7	2.1	5.3	4.3	.4							12.9	9.5
WNW	.4	1.8	3.9	2.1	.4							8.5	9.0
NW	.4	.4	2.1	2.1								5.0	9.6
NNW	.7	.7	2.8									4.3	6.9
VARBL													
CALM												3.5	
	7.1	27.7	40.1	20.6	1.1							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

282

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93871  
STATION

8FA/FORT, SC  
STATION NAME

73-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.6	1.4									6.7	5.3
NNE	.7	1.1	.7	1.1								3.5	7.5
NE	.4	.4	.7	.4								1.8	6.8
NNE	.7	1.4	.7	.4								3.2	6.0
E	4.6	2.5	2.1									9.2	4.5
ESE	2.5	2.5										5.7	3.4
SE	1.9	.7	1.1									3.5	4.4
SSE	3.5	4.3	2.1									9.9	4.8
S	3.5	9.2	1.8	.4								14.9	4.6
SSW	1.1	1.1	.7	.4								3.2	6.7
SW	2.9	2.1	.4									5.3	3.5
WSW	1.3	2.1	.4									4.3	3.8
W	3.5	3.5	2.5	1.8	.4							11.7	6.7
WNW	.7		.7	.4	.4							2.1	8.7
NW	2.1	.7	.4									3.2	3.0
NNW	1.4	.4	.7	.4								2.8	5.3
VARB													
CALM												9.6	
	32.6	35.4	16.3	5.0	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97531  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	1.4	.4								3.2	6.4
NNE	1.1	2.5	1.4	.4								5.3	5.7
NE	2.1	1.8	.4	.7								5.7	5.0
ENE	1.4	1.4	1.1	.7								4.6	6.2
E	1.8	.7										2.5	2.7
ESE	1.4	.7										2.1	2.7
SE	1.1			.4								1.4	4.8
SSE	.7											.7	2.0
S	5.0	5.0	3.5	1.1								14.5	5.4
SSW	.4	3.2	1.1									4.6	5.5
SW	1.1	2.5	1.1									4.6	5.2
WSW	1.4	2.5	1.1									5.0	4.7
W	2.1	3.5	2.5	1.1								9.2	6.3
WNW	1.4	1.8	2.1	1.1	.4							6.7	7.6
NW	.4	.4	1.8	.4								2.8	7.8
NNW	.4	.7	.4									1.4	5.5
VARBL													
CALM												26.2	
	22.7	27.0	17.7	6.0	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

282

BRMS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97811  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

FEP

MONTH

ALL WEATHER

CLASS

ALL

HOURLY (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N	1.4	1.2	2.2	.6								6.6	6.6
NNE	1.2	2.0	1.6	.7	.3							5.7	6.5
NE	.9	1.6	1.2	.5	.0							4.2	6.3
NNE	1.0	1.6	1.1	.3								3.9	5.6
E	1.4	1.2	1.0	.4								4.2	5.4
ESE	.9	1.0	.6	.1								2.6	5.0
SE	.6	.7	.5	.3								2.0	6.3
SSE	.9	1.3	1.2	.4	.0							3.9	6.2
S	2.0	3.6	2.5	1.1	.2							9.4	6.5
SSW	1.0	1.6	1.5	.4								4.6	6.2
SW	1.1	1.8	1.2	.6								4.6	6.0
WSW	1.5	2.6	1.8	.7								6.6	6.1
W	2.2	2.7	3.3	2.0	.2							10.4	7.5
WNW	1.2	1.9	2.5	1.2	.3							7.2	7.7
NW	1.1	1.2	1.3	.7								4.3	6.4
NNW	.9	1.5	1.0	.3								3.7	6.0
VARB													
CALM												16.1	
	19.5	26.2	24.0	10.4	.9							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2256

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97371  
STATION

BEAUFORT, SC  
STATION NAME

73-A2  
YEARS

MAP  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.0	.3								1.6	8.8
NNE	.3	1.9	.3	.6								3.2	6.8
NE	1.0	1.9		.6								3.5	5.2
ENE	1.6	.6	.6	.3								3.2	4.7
E	2.6	2.3	.3									5.2	3.8
ESE	.6		.3									1.0	4.3
SE	.3	1.3		.6								2.3	6.6
SSE	1.3	1.3	1.0									3.5	4.6
S	1.9	3.5	3.5	1.0								10.0	6.6
SSW	1.3	4.5	1.9	.6								8.4	5.8
SW	2.6	2.3	.6									5.2	4.1
WSW	1.9	2.3	.6	.3								5.2	4.6
W	1.6	1.6	2.6	1.0								6.6	6.8
WWW	1.3	1.3	1.3	.6								4.5	6.8
NW	.6	.6	1.0	.6								2.9	6.9
NNW	.3	1.0	1.0	.3								2.6	7.1
VARIABLE													
CALM												31.0	
	19.0	26.8	16.1	7.1								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BRAUFORT, SC  
STATION NAME

73-82  
YEARS

MAD

MONTH

DA

NOVEMBER (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.6									4.2	5.2
NNE	1.3	3.2	1.7	.6								6.1	5.7
NE	1.3	.6	.6	.3								2.9	5.6
NNE	.3	1.7	.7									1.6	4.4
E	1.4	1.3	1.0									3.9	4.3
ESE	.6											.6	2.0
SE	.6	.6	.3	.3								1.9	6.0
SSE	1.0	.3	.3	.3								1.9	4.7
S	2.6	5.2	1.3	1.9								11.0	6.1
SSW	1.6	3.9	1.3	1.0								7.7	5.8
SW	1.0	2.6	.6									4.2	4.4
WSW	1.9	1.0	1.0									3.9	3.8
W	4.2	1.6	1.9	.6		.3						8.7	5.5
WNW	1.0	2.3	1.9	1.0								6.1	6.4
NW	1.6	2.3	1.3									5.2	4.6
NNW	1.3		.6	.3								2.3	5.6
VARIABLE													
CALM												27.7	
	23.2	27.1	15.2	6.5		.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
VT831

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.6	1.0	.3	.3							5.8	6.4
NNE	3.2	1.9	2.3	.6								8.1	5.6
NE	1.0	1.6	.3	.3								4.2	4.3
NNE	1.0	1.4	1.0	.3								3.9	5.7
E		1.0	.3									1.3	5.8
ESE	1.3	.6										1.9	2.8
SE	.3	.6	.6	.3								1.9	6.8
SSE	1.3	.6	.6									2.6	4.3
S	7.3	2.3	2.3	.6								7.4	5.9
SSW	1.3	3.9	1.6									6.8	5.6
SW	2.9	1.9	1.0									5.8	3.9
WSW	3.2	2.6	1.6									7.4	4.5
W	2.6	1.3	2.3	1.3								7.4	6.0
WNW	1.9	1.9	.6									4.5	3.9
NW	1.9	1.0	1.0	.3								5.2	5.5
NNW	1.0	.3	.3	.3								1.9	4.7
VARBL												23.0	
CALM													
	27.7	24.8	18.7	4.5	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97P31  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	1.0								8.1	6.8
NNE	1.0	2.3	2.6	.3								6.1	6.5
NE	1.3	2.6	1.9	.3								6.1	6.1
NNE	.6	1.0	2.9	.6								5.2	7.8
E	.6	2.9	3.5	.3								7.4	6.6
ESE	.3	1.0	.6	.3								2.3	6.7
SE	.3	.3	.6	.3		.3						1.9	9.3
SSE	.3	.6	1.6	.6								3.2	7.7
S	1.0	2.6	4.8	2.3	.6							11.3	8.7
SSW	.3	1.0	3.2									4.5	7.0
SW	1.0	1.3	1.9	1.3								5.5	7.4
WSW	.6	1.6	1.0	.6	.3							4.2	8.2
W	1.9	3.2	4.5	2.3	1.0							12.9	8.3
WNW	1.0	2.9	1.0	1.6								6.5	7.4
NW	.3	2.3	1.4	1.0								5.2	7.4
NNW	.3	1.6	2.7									4.2	6.7
VARB													
CALM												5.6	
	11.9	29.7	37.7	12.9	1.9	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92831  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

MAC

MONTH

17

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.2	1.5	.3								6.8	5.5
NNE	1.3	1.0	.6	.3								3.2	5.1
NE	.6	3.3	1.0	.3								4.2	6.1
NNE	.3	2.3	.6	1.0								4.2	6.8
E		1.9	3.5	2.3								7.7	8.6
ESE	.6	1.3	.6	1.0								3.5	6.9
SE		.6	2.3									2.9	7.2
SSE	1.0	1.6	4.2	2.9	.3							10.0	8.7
S	.3	2.6	4.2	4.2	.3							11.6	9.1
SSW	1.0	1.6	1.3	.6								4.3	5.9
SW	.6	.6	1.9	1.6	.3							5.2	9.0
WSW	.3	1.6	1.0	1.9	.6							5.5	10.2
W	.6	1.3	4.5	5.2	1.0	.3						12.0	10.7
WNW	1.9	2.3	2.6	1.6								7.7	7.1
NW	.3	1.0	1.3	.3								2.9	7.1
NNW	.6	.6	1.0	.3								2.6	6.9
VARBL													
CALM												4.3	
	10.6	25.8	32.3	23.9	2.6	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
97831

STATION NAME  
BEAUFORT, SC

YEAR  
73-82

MONTH  
MAY

CLASS  
ALL WEATHER

HOURS (L.S.T.)  
16

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5										.6	4.5
NNE	.6	1.0	1.3	.3								3.2	6.3
NE	.6		1.0	.3								1.9	7.2
NNE		1.0	1.0	.6	.6							4.2	9.5
E	.6	1.3	4.5	2.3								9.7	8.0
ESE	.6	2.3	2.6	.3								5.8	6.6
SE	1.0	1.9	6.5	.6								10.0	7.5
SSE	.6	2.3	7.1	2.9								12.9	8.7
S	1.0	1.6	6.5	5.5	1.3							15.9	9.9
SSW	.3	.6	1.0	1.0	.3							3.2	9.6
SW	.3		1.0	.3	.3							2.9	10.0
WSW		1.3	1.6	1.6	.3							4.9	10.0
W	1.0	2.3	3.9	4.5	1.0	.3						12.9	10.1
WNW	.6	1.3	2.3	2.9								7.1	9.3
NW	.3	.3	1.3									1.9	6.5
NNW	.3	1.3	.3	.3								2.3	5.9
VARB													
CALM												1.3	
	8.1	19.1	43.7	23.6	3.9	.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

379

UNOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

MO

19

HOURLY (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.5	.3	.3									2.3	3.6
NNE	.3	1.3	.3									1.9	5.2
NE		.3	1.7	.3								2.6	8.6
ENE	.3	.6	1.3	.3								2.6	6.9
E	3.9	4.2	1.9									10.0	4.4
ESE	2.3	4.9	1.5									8.1	4.6
SE	3.6	2.6	.3									6.5	3.4
SSE	3.2	7.4	2.6	.3								13.6	5.2
S	4.0	8.1	5.8	1.9	.6							21.4	6.4
SSW	1.0	1.3	1.7	.6								3.7	6.3
SW	.6	1.3	.6									2.6	4.8
WSW	.3	1.9	1.0	.3								3.4	6.5
W	2.6	2.6	2.6	1.6								9.4	6.2
WNW	1.0	1.3	.3	1.0								3.4	6.5
NW	1.7	.6	.3									1.9	3.7
NNW	.4	.6	.3	.3								1.9	5.8
VABL													
CALM												4.2	
	27.2	39.5	21.7	6.8	.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93871  
STATION

BEAUFORT, SC  
STATION NAME

73-97  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3		.3								1.9	6.0
NNE	.7	.6	.3									1.3	5.0
NE	1.6	.6	.3	.3								2.9	4.4
ENE	.6	.6	.6	.6								2.6	6.9
E	3.5	3.5	1.0									8.1	3.9
ESE	1.3	1.0										2.3	3.4
SE	1.0	.6	.6	.3								2.6	5.5
SSE	1.0	2.6	1.0									4.5	4.9
S	5.2	6.5	4.5	.3	.3							17.4	5.4
SSW	2.6	2.3	1.6	1.0								7.4	6.0
SW	1.9	2.3	.3									4.5	3.7
WSW	1.6	1.3	1.0									3.9	4.4
W	1.6	1.9	1.3	1.6	.3							6.8	7.5
WNW	1.3		2.6	.3								4.2	6.8
NW	1.3	.3	.6	.3								2.6	5.5
NNW	.3	.3	1.0									1.6	6.2
VARBL													
CALM												25.5	
	26.1	25.8	16.8	5.2	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97801 BEAUFORT, SC STATION NAME 73-82 YEARS

ALL WEATHER

CLASS

CONDITION

MAP NORTH ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	.0	.0							3.0	6.0
NNE	1.0	1.0	1.0	.0								4.0	5.9
NE	1.0	1.0	.0	.0								3.0	5.8
ENE	.0	1.0	1.0	.0	.1							3.0	6.0
E	1.0	2.0	2.0	.0								6.0	5.8
ESE	1.0	1.0	.0	.0								3.0	5.2
SE	.0	1.0	1.0	.0		.1						3.0	6.3
SSE	1.0	2.0	2.0	.0	.0							6.0	6.8
S	2.0	4.0	4.0	2.0	.0							13.0	7.2
SSW	1.0	2.0	1.0	.0	.0							5.0	6.2
SW	1.0	1.0	1.0	.0	.1							4.0	5.8
WSW	1.0	1.0	1.0	.0	.0							4.0	6.8
W	2.0	2.0	2.0	2.0	.0	.1						9.0	6.0
WNW	1.0	1.0	1.0	1.0								5.0	6.9
NW	.0	1.0	1.0	.0								3.0	5.6
NNW	.0	.0	.0	.0								2.0	6.2
VARBL													
CALM												15.0	
	19.2	27.3	25.3	11.3	1.3	.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97311 BEAUFORT, SC 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

APR 01

MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.3								2.3	5.6
NNE	.7	.3	.3									1.3	4.5
NE	1.7	.3	.3									2.0	3.7
ENE	1.7	.7	.3									2.7	3.4
E	2.3	1.7										4.0	3.4
ESE	.7	1.3	.3									2.3	4.3
SE	1.7	.3	.3									2.3	2.7
SSE	1.7	1.3	1.7	.7								4.3	5.9
S	4.7	5.3	4.3	1.7								14.7	5.5
SSW	2.7	2.7	1.7	.3								7.7	5.2
SW	1.7	4.7	.3	.3								6.7	4.7
WSW	1.7	1.7	2.7									5.3	6.1
W	2.7	2.7	1.7	.3								6.7	5.5
WNW	.7	1.3	2.7	.3								4.3	6.6
NW	1.7	1.3	.7									3.7	4.9
NNW	.7		.7									1.7	4.3
VARBL													
CALM												10.0	
	24.7	25.0	17.0	3.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 100

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

HEADFORT, SC

STATION NAME

73-82

YEARS

APR

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	.3									2.3	4.7
NNE	2.0	1.0	1.0	.3								4.3	4.8
NE	2.3	.3										2.7	2.6
ENE	1.0	.3	.3									1.7	4.0
E	1.7											1.7	1.8
ESE		.7										.7	5.0
SE	.7											.7	1.5
SSE	1.3	.3										1.3	2.0
S	1.7	5.7	3.0	.7								11.0	5.9
SSW	2.3	2.3	1.3	.3								6.3	5.2
SW	1.7	3.7	.7									6.0	4.7
WSW	1.7	1.7	1.7	.3								5.3	5.5
W	1.7	1.7	3.7	.7								7.7	6.7
WNW	1.3	1.7	1.7									4.7	5.3
NW	1.0	1.3	.7		.7							5.3	5.1
NNW	.7	1.3		.3								2.0	5.8
VARBL													
CALM												36.3	
	23.0	23.3	14.3	2.7	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.3	1.3	.3	.3							5.7	5.9
NNE	1.7	2.0	1.3	.3								5.3	5.3
NE	1.0	2.7										3.7	4.0
NNE	1.3	1.7										3.0	3.7
E	1.0	.7	.7									2.3	4.7
ESE	.7	.3										1.0	2.7
SE	.7	.3										1.0	2.7
SSE	.7	1.0	.7									2.3	5.4
S	3.7	2.7	2.3									8.7	4.8
SSW	1.3	1.0	1.3	1.0								4.7	6.9
SW	2.0	3.7	.7	.3								6.7	5.0
WSW	1.7	4.7	1.7									8.0	5.3
W	2.0	2.0	3.3	1.0	.3							8.7	7.1
WNW	1.3	2.0	1.0	.3								4.7	5.3
NW	.7		.3									1.0	4.3
NNW	1.7	1.0	1.3									4.0	4.8
VARBL													
CALM												29.3	
	23.7	27.0	16.0	3.3	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

APR

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.3								4.3	6.3
NNE	.7	1.7	3.3	.3								6.0	7.0
NE	.7	3.0	1.3	.7								5.7	6.2
NNE	.7	1.3	2.3	.3								4.7	6.7
E	.7	4.3	3.7	.7								6.7	6.5
ESE	1.0	1.0	1.3	1.3								4.7	7.5
SE	.7	1.0	2.0	.7								4.3	7.2
SSE	.3	.7	.7	.7								2.3	7.7
S	1.0	1.0	5.7	2.3								10.3	8.7
SSW	.3	3.3	3.3	1.7	.3							6.0	8.2
SW	2.0	.3	3.0	.3								5.7	8.6
WSW	.3	2.3	2.3	1.3								6.3	7.8
W	1.3	3.7	5.7	1.3	.7							12.7	8.1
WNW	.7	1.7	2.0	1.7								6.0	8.4
NW	.7	.3	1.7									2.7	6.8
NNW	.3	2.0	1.0									3.3	5.9
VARB.													
CALM												3.7	
	12.0	29.3	40.3	13.7	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

300

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97331  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

APR

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.7	.3								3.7	5.3
NNE	.7	.7	.7									2.0	5.3
NE	1.3	1.7	1.7	.3								4.3	5.1
NNE	1.3	.7	2.0									4.0	5.7
E	1.0	2.0	5.0	1.3								9.3	7.3
ESE	.3	1.3	4.3	2.3								8.7	8.5
SE	1.0	1.3	2.3	1.7								5.7	7.2
SSE	.3	1.7	6.7	1.7								9.7	8.5
S	1.0	1.0	5.3	3.0	.3							10.7	9.2
SSW	.7	.7	3.0	1.7	.3							6.3	8.9
SW	.3	1.0	2.7	.7	.3							5.7	8.3
WSW		1.0	3.0	1.7	.3							6.0	9.5
W	2.0	1.3	6.7	3.3	.3	.3						13.3	8.7
WNW	1.0		1.7	2.3								5.0	9.3
NW	.3	.7	.7	.3								2.0	8.2
NNW	.3	1.7		.3								2.3	6.0
VARB													
CALM												2.3	
	13.0	16.0	44.3	20.3	1.7	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

01931  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

APR

MONTH

ALL WEATHER

CLASS

16

COUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	1.3	1.0								3.3	8.1
NNE		.3	.3	.3								1.0	9.3
NE	.3	.3	.7	.3								1.7	6.8
NNE			2.0									2.0	5.8
E	1.3	1.3	4.7	3.0								10.4	8.3
ESE	.3	1.7	4.0	.3								6.4	7.4
SE	.3	1.3	5.0	1.3								8.0	8.3
SSE	.3	3.7	7.7	3.0	.3							15.1	8.7
S	1.7	2.0	10.0	4.0	.3							18.1	8.7
SSW		.3	1.7	1.3								3.3	9.6
SW		.3	1.7	1.0								3.0	9.2
WSW	.7	2.0	2.3	1.0	.3							6.4	8.3
W	1.0	2.0	3.3	5.0	1.0							12.4	9.9
WNW		.7	1.7	1.3	.3							4.0	10.3
NW		.7	1.7									2.3	7.7
NNW	.7	.3	.3	.3								1.7	5.8
VARL													
CALM												1.3	
	7.0	17.4	48.5	23.4	2.3							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97851  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

APR

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.7	.7								2.0	7.5
NNE	1.0	.7	.3									2.0	4.3
NE	.7											.3	2.0
ENE	.7			.3								1.0	5.7
E	2.0	7.7	3.3	.3								13.3	5.5
ESE	1.0	4.3	1.0	.7								7.0	5.8
SE	.3	3.0	1.0									4.3	5.4
SSE	3.7	6.3	3.3	1.0								14.3	5.6
S	4.7	11.3	10.3	.3								26.7	5.9
SSW	.3	.7	1.3	.7								3.0	7.4
SW	1.7	1.0	1.3									4.0	4.8
WSW	1.3	1.7	1.0									4.0	5.0
W	2.0	2.3	2.7	1.0								8.0	6.3
WNW	1.3	2.7	.7	.3								5.0	5.1
NW	.3	.3	.3									1.0	4.3
NNW													
VARB.													
CALM												4.0	
	21.0	42.3	27.3	5.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

300

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93331  
STATION

BEAUFORT, SC

STATION NAME

73-82  
YEAR

APR

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.7									1.3	5.3
NNE	1.3			.3								1.7	4.4
NE	.7	.3										1.0	2.7
ENE	.3	2.7	.3	.3								3.7	5.2
E	3.7	4.7	.7									9.0	3.6
ESE	3.0	1.3	.7									5.0	3.3
SE	1.3	2.0		.3								3.7	4.5
SSE	2.7	1.3	2.0	.7								6.7	5.9
S	7.7	7.3	4.0	1.7								20.7	5.1
SSW	1.7	1.3	2.3	.3	.7							6.3	7.2
SW	1.7	1.3	1.0									4.0	5.1
WSW	1.0	2.0	1.0									6.0	4.2
W	.7	2.3	1.7	.3								5.0	6.1
WNW	.7	1.0	1.0	.7								3.3	6.8
NW	1.0		.3	.3								1.7	6.2
NNW	.3	.3										.7	4.0
VARBL													
CALM												20.3	
	30.0	24.3	15.7	5.0	.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

300

5106



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

APD  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9	.3	.4	.7							3.1	6.1
NNE	1.0	.9	.9	.2								3.0	5.6
NE	1.0	1.1	.4	.2								2.7	4.8
NNE	.9	.9	.9	.1								2.8	5.4
E	1.7	2.8	2.2	.7								7.3	5.9
ESE	.9	1.5	1.5	.6								4.4	6.4
SE	.9	1.2	1.3	.4								3.4	6.3
SSE	1.3	2.0	2.7	1.0	.0							7.0	7.0
S	1.2	4.5	5.6	1.6	.1							15.0	6.6
SSW	1.2	1.5	2.0	.9	.2							5.4	7.2
SW	1.4	1.9	1.4	.3	.0							5.1	5.8
WSW	1.3	2.0	2.0	.5	.1							5.6	6.5
W	1.6	2.3	3.5	1.6	.3	.0						9.3	7.7
WNW	.9	1.4	1.5	.9	.0							4.4	7.1
NW	.9	.6	.8	.1	.0							2.4	5.9
NNW	.5	.8	.4	.1								1.9	5.4
VARB													
CALM												15.9	
	19.3	26.3	27.9	9.6	.8	.0						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
97631

STATION NAME  
BEAUFORT, SC

YEAR  
73-82

MONTH  
MAY

CLASS  
ALL WEATHER

DAY  
01

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.3	.6									2.6	3.8
NNE	1.9	.6	.6									3.2	4.3
NE	.6	.3	.3									1.3	4.5
ENE	.6	.3										1.0	3.7
E	2.0	1.3	.3									4.5	3.3
ESE	.6	.3		.3								1.3	5.5
SE	1.0	1.3										2.3	3.4
SSE	.6	2.9	.3	.3								4.2	5.5
S	4.3	6.5	1.6									12.9	4.4
SSW	1.6	4.3	1.0									7.4	4.5
SW	4.5	2.3	.6									7.4	3.4
WSW	2.9	2.6		.3								5.8	3.6
W	2.9	1.6	1.3									5.8	4.4
WNW	.6	1.0										1.6	3.4
NW	.3	1.0										1.3	5.0
NNW		.3	1.0									1.3	7.5
VARL													
CALM												36.1	
	27.7	27.4	7.7	1.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

PM  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.6	.3								4.8	4.0
NNE	1.6	1.3										2.9	3.3
NE	1.0	.6										1.6	3.6
NNE	.6	.6	.3									1.6	5.0
E	.6	.3										1.0	3.0
ESE	.7	1.0										1.3	4.0
SE	.6	1.0	.3									1.9	4.5
SSE	1.6	.6										2.3	2.6
S	3.9	2.9	.3									7.1	3.4
SSW	4.2	3.2	1.0									7.4	3.9
SW	4.2	2.9	.6									7.7	3.5
WSW	4.8	2.6	1.3									8.7	3.6
W	1.6	2.3	.3									4.2	3.9
WNW	.6	1.3	.3									2.3	4.1
NW	.6	.6	.3									1.6	5.2
NNW	1.9		.3									2.3	2.9
VARIABLE													
CALM												41.3	
	29.4	23.2	5.8	.3								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

8008

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

07831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.6	1.3	.3								7.7	4.3
NNE	2.6	3.9	.6									7.1	4.1
NE	1.3	.6	.6									2.6	4.5
ENE	.3	.3	1.3									1.6	6.0
E	2.6	.6										3.2	2.5
ESE	1.3	.6	.3									2.3	3.7
SE	.3	.3										.6	4.0
SSE	2.3	.6		.3								3.2	3.6
S	2.3	2.3	.6		.3							5.5	5.1
SSW	2.3	2.6	1.3									5.8	4.3
SW	1.3	4.5	1.3	.3								7.4	5.3
WSW	2.6	4.2	1.3	.3								8.1	4.5
W	1.2	3.5	2.3									4.0	4.3
WNW	.3	1.3										1.6	4.6
NW	.6	.6										1.3	3.0
NNW	1.6	.6	1.6									3.9	5.0
VARB													
CALM												79.0	
	28.4	29.4	11.6	1.3	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: BEAUFORT, SC DATE: 7-7-82

STATION: STATION NAME: YEARS: MONTH: DAY: 17

CLASS: ALL WEATHER

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.6	2.3	.3								6.6	5.0
NNE	1.9	3.5	1.6	.3								7.4	5.3
NE	1.6	2.3	1.7									4.4	4.5
ENE	1.7	1.6	.6									3.2	5.1
E	1.7	2.6	1.6									5.6	5.5
ESE	.6	1.3	1.7	.3								3.2	5.9
SE	.3	1.3	1.6	.6								3.7	7.2
SSE	.6	2.9	1.7	.6								5.2	6.5
S	1.3	3.2	1.7	.6								6.1	5.9
SSW	1.6	2.9	1.7	.6								6.5	5.4
SW	3.9	3.9	1.9	1.7								10.6	5.2
WSW	3.6	3.2	1.6	.6								8.1	5.7
W	1.7	4.2	5.8	1.7								11.9	7.0
WNW	1.3	1.3	.6	.3								3.5	5.2
NW	1.3	1.7										2.3	3.4
NNW	.6	2.3	1.7									3.7	5.3
CALM												7.4	
	27.3	40.0	23.9	6.5								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-42

YEARS

MAY

NORTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.3									5.5	4.9
NNE	1.0	1.9	1.6	.3								4.7	5.6
NE	.3	1.0										1.3	4.3
NNE	1.3	1.3	.6									3.2	4.9
E	1.0	2.9	2.9	.3								6.1	5.9
ESE	.5	2.9	2.3	1.0								6.4	7.1
SE	1.3	2.3	3.2	.6								7.4	6.9
SSE	.3	2.6	2.3	1.3								6.5	7.4
S	2.3	4.2	4.2	1.9								12.6	6.8
SSW	3.9	1.0	1.6	.6								7.1	5.0
SW	1.3	1.6	3.9									7.5	6.7
WSW	.3	1.6	2.6	1.0								5.4	7.9
W	.3	2.6	5.2	.6								8.7	7.4
WNW	.3	.6	.6	.3	.3							2.3	5.7
NW	1.0	1.3	.6									2.9	5.1
NNW	.3	2.3	1.0									3.7	5.5
VARIABLE													
CALM												7.4	
	16.1	32.3	33.0	8.1	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

AD AFD 638

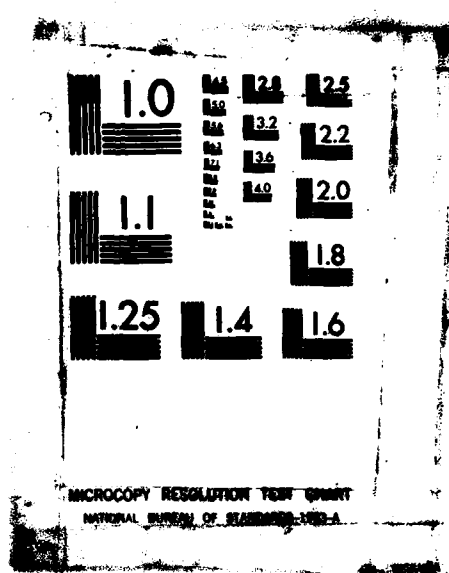
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
HIAUFORT SOUTH CAROLINA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

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NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

OBSERVATION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.0	.3								4.2	7.2
NNE	.6	.3	.3									1.3	5.0
NE	.6	1.3	.6	.3								2.9	5.6
NNE	.3	.3	2.3									2.9	7.2
E		2.9	4.2	.3								7.4	7.3
ESE	.6	3.5	4.2	.6								9.0	6.9
SE	1.0	2.6	5.2	1.3								10.0	7.3
SSE		3.9	11.3	2.3								17.4	8.2
S	1.0	6.5	7.7	2.3								17.4	7.6
SSW	1.0	1.0	.3	1.0								3.2	6.9
SW	.3	1.9	1.3	.3								3.9	6.3
WSW	.3	1.3	1.6	1.0								4.2	7.9
W	1.3	1.6	2.9	.6								6.5	6.7
WNW	.3	1.9	1.6	.3								4.2	6.6
NW	.6	.6	1.3									2.6	5.8
NNW	.3	1.0										1.3	4.3
VARS													
CALM												1.6	
	9.0	31.9	46.8	10.6								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

310

END

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY

MONT

19

MOON (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	.6	1.0								3.2	6.8
NNE	.5	.6										1.3	3.3
NE	.6	.6	.3									1.6	4.8
NNE	.3	.6	.6									1.6	5.4
E	4.2	4.8	2.6									11.6	4.8
ESE	1.9	2.6	1.6									6.1	4.6
SE	1.5	4.8	2.6									9.0	5.4
SSE	2.6	7.7	3.2	.3								13.9	5.8
S	5.8	15.2	9.4	.6								31.0	5.6
SSW	.6	1.0	.3	.3								2.3	5.7
SW	1.0	1.6	1.0	.3								3.4	5.9
WSW	1.6	1.3	.3									3.2	3.8
W	1.9	1.6	.6	.3								4.5	4.8
WWW	.3	.3										.6	3.0
NW	.6	.3	.3									1.3	4.8
NNW	.3											.3	3.0
VARIABLE													
CALM												4.5	
	25.2	43.9	23.5	2.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97971  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.0	1.6									4.2	4.8
NNE	.6		.6									1.3	4.8
NE	.6	1.9										2.6	4.0
ENE	1.6	1.0	.3									2.9	3.7
E	2.9	1.6	.3									4.8	3.3
ESE	3.2		.3									3.5	2.7
SE	2.9	1.9	.6	.3								5.8	4.5
SSE	2.3	3.9	.6									6.8	4.0
S	11.7	12.9	.6									24.5	3.6
SSW	1.6	2.6	1.3	.3								6.1	5.2
SW	2.9	1.9	1.0									5.8	4.1
WSW	1.6	.6										2.3	2.7
W	1.3	1.0	.6									2.9	4.1
WNW	.3	.3	.3	.3								1.3	7.5
NW	1.0	.6										1.6	3.4
NNW		.3										.3	4.0
VARS													
CALM												23.2	
	35.4	31.6	8.4	1.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

2808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

MAY

ALL

MOON (L.S.T.)

ALL WEATHER

CLASS

DIRECTION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.6	1.3	.3								4.8	5.3
NNE	1.4	1.5	.7	.1								3.7	4.6
NE	.8	1.1	.4	.0								2.3	4.5
NNE	.8	.8	.7									2.3	5.2
E	2.1	2.1	1.5	.1								5.8	5.0
ESE	1.2	1.5	1.2	.3								4.2	5.6
SE	1.1	1.9	1.7	.4								5.1	6.0
SSE	1.3	3.1	2.3	.6								7.4	6.2
S	4.0	6.7	3.2	.7	.0							14.6	5.3
SSW	2.0	2.4	1.0	.4								5.7	4.9
SW	2.4	2.6	1.5	.2								6.7	4.9
WSW	2.1	2.2	1.0	.4								5.7	5.0
W	1.7	2.3	2.4	.3								6.7	5.7
WNW	.5	1.0	.4	.2	.0							2.2	5.7
NW	.8	.8	.3									1.9	4.5
NNW	.5	.8	.6									2.1	5.0
VARIABLE													
CALM												18.8	
	24.5	32.5	20.2	4.0	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2480

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	1.7	1.7	.3								5.7	4.5
NNE	2.0	1.7	.3	.3								4.3	4.2
NE	2.0	1.7										3.7	3.5
NNE	1.0	.3										1.3	2.3
E	2.0	1.0										3.0	2.7
ESE	.3	.7	.7									1.7	5.2
SE	1.3	.3	.3									2.0	3.5
SSE	1.0	1.0	.3									2.3	3.9
S	4.3	4.0	2.7									11.0	4.8
SSW	2.3	7.3	2.7									12.3	4.6
SW	4.0	3.3	2.7									10.0	4.6
WSW	2.3	1.3	.7									4.3	4.0
W	1.3	1.0	.3									2.7	4.1
WNW	.7	.3										1.0	3.3
NW	2.7											2.7	1.4
NNW	.3	.3										.7	2.5
YAREL													
CALM												11.3	
	30.3	26.0	11.7	.7								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.7	1.7									7.0	5.3
NNE	4.0	2.3	.3									6.7	3.3
NE	1.3	1.7										3.0	3.6
NNE	1.3											1.3	2.0
E	1.3											1.3	2.0
ESE	.7	.3										1.0	2.3
SE	.3	.3										.7	3.0
SSE	.7	.3	.3									1.3	4.0
S	4.7	3.3	.7	.3								4.0	4.0
SEW	1.3	2.0	.3									3.7	4.0
SW	4.0	3.3	2.0									9.3	4.4
WSW	2.7	5.3	1.0									9.0	4.6
W	2.3	1.3	.3									4.0	3.3
WWW	1.3											1.3	1.8
NW	1.3											1.3	2.3
NNW	1.3	.3		.3								2.0	4.2
VARIABLE													
CALM												38.0	
	30.3	24.3	6.7	.7								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

300

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

42831  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

JUN

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	5.0	1.0	.3								10.0	4.6
NNE	3.3	4.3	1.3									9.0	4.4
NE	.3	2.7	1.0									4.0	5.2
NNE	.3	.7	.3									1.3	4.8
E	.3	.3										.7	3.0
ESE	1.3	1.3										2.7	3.0
SE	1.0											1.0	2.0
SSE			.7	.3								1.0	9.7
S	1.3	1.0	.3									2.7	3.9
SSW	2.7	3.0	.7									6.3	4.2
SW	4.3	4.7	1.3									9.3	4.4
WSW	3.0	5.7	2.7	.7								12.0	5.2
W	5.0	5.3	1.0									11.3	3.9
WW	3.0	.3	.3									3.7	2.7
NW	2.3	.3	.3									3.0	3.2
NNW	1.3	1.0										2.3	3.0
YARR													
CALM												19.7	
	32.3	35.7	11.0	1.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97871  
STATION

BEAUFORT, SC

STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.3	2.7									6.7	5.3
NNE	1.0	2.0	1.7									4.7	6.0
NE	1.7	2.0	2.7	.3								6.7	5.8
NNE	.7	2.3	1.7	1.0								5.7	7.1
E	1.3	2.3	.7	.3								4.7	5.0
ESE	.3	1.0	.7									2.0	5.7
SE	1.0	1.0	.7									2.7	4.4
SSE	.3	1.3	1.3									3.0	6.1
S	3.7	3.7	2.0	.3								8.3	5.0
SSW	1.0	3.3	1.7	.3								5.7	5.8
SW	3.0	3.0	1.3	.3								6.7	5.1
WSW	1.7	5.7	3.3	.7								11.3	6.1
W	2.7	6.3	3.3	.3								12.7	5.1
WWW	3.7	1.7	1.7									6.0	4.7
NW	1.7	2.7		.3								4.7	4.9
NNW	1.7	1.3	1.7									4.0	4.8
VARIABLE												5.3	
CALM													
	24.0	42.3	24.3	4.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

300

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1?  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	1.3									7.7	4.7
NNE	.7	1.7	.3		.3							3.0	6.6
NE	.7		.7									1.3	4.8
NNE	1.3	2.7	1.7									5.7	5.4
E	.7	4.7	3.7	.7								9.7	6.7
ESE	.3	2.3	3.0	.3								6.0	6.5
SE	1.3	2.7	2.3									5.7	5.2
SSE	.7	1.3	3.3	.7								6.0	7.7
S	2.3	4.0	1.7	1.7								9.7	6.1
SSW	1.7	1.7	1.3									4.7	4.9
SW	1.0	2.7	3.7	.3								7.7	6.1
WSW	1.7	1.7	3.3	1.3								8.0	7.5
W	2.3	3.3	3.0	.7								9.3	5.9
WNW	1.3	1.3	3.0									5.7	6.2
NW	1.3	.3	1.3									3.0	5.0
NNW	.7	.7	.3									1.7	4.0
VARB													
CALM												5.3	
	20.0	34.7	34.0	5.7	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
47031

STATION NAME  
HEAUFORT, SC

YEARS  
73-82

MONTH  
JUN

CLASS  
ALL WEATHER

HOURLS (L.S.T.)  
16

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.7	.3									7.0	4.2
NNE	.3	1.0	.7									2.0	5.5
NE	.3	1.3	1.7	.3								3.0	6.9
NNE	.7	1.0	2.0	.3								4.0	7.1
E	1.3	2.0	4.7	2.0								10.0	7.6
ESE	1.7	1.3	3.0	.3								6.3	6.1
SE	.7	1.3	3.0	.7								5.7	7.2
SSE	.3	4.3	6.3	.7								13.7	7.0
S	.3	5.3	9.3	.7	.3							16.0	7.5
SSW	.7	1.7	1.7	1.0								5.0	6.7
SW	.7	1.0	3.7		.3							5.7	7.5
WSW	1.0	1.3	1.7	.3								4.3	6.4
W	.7	4.0	2.3	.3								7.3	5.9
WWW	1.0	3.0	1.0									5.0	5.1
NW	.7	1.3	.3									2.3	4.6
NNW		.3				.3						.7	13.5
VARIABLE													
CALM												2.0	
	13.3	34.0	43.0	6.7	.7	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 320

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-62

YEARS

JUN

MONTH

ALL WEATHER

CLASS

19

HOURS (L & T)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7	.3								3.0	5.9
NNE	1.3		1.0									2.3	4.6
NE	.7	1.0	1.0									2.7	5.5
NNE	1.1	.7	1.0									2.7	5.0
E	2.3	3.7	2.3	.7								8.7	5.5
ESE	2.3	2.7	2.7									7.3	5.7
SE	2.0	5.7	2.3									10.0	5.1
SSE	1.3	5.7	3.3	.3								10.7	5.8
S	5.7	10.7	7.7	.3								24.3	5.6
SSW	1.3	3.0	1.3									5.7	5.1
SW	1.0	2.3	.7									4.0	5.0
WSW	1.7	.3	1.0									3.0	4.2
W	1.0	1.0	1.0									3.0	4.7
WNW	1.3	.3		.3								2.0	4.0
NW	.7			.3								1.0	4.7
NNW	1.3	.3										1.7	2.8
VARB													
CALM												8.0	
	25.3	38.7	25.7	2.3								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 57731 BEAUFORT, SC STATION NAME 73-82 YEARS MONTH NORTH 22  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	1.0
NNE	1.0	0.3	0.7			0.7						2.0	6.6
NE	1.7	1.0	1.0									3.7	4.6
ENE	2.0	0.7	0.7									3.0	3.7
E	2.0	2.0	0.3									4.0	3.6
ESE	2.7	0.3	0.7									3.7	3.5
SE	1.0	2.0	0.3									3.0	4.3
SSE	2.7	3.3	1.0									8.0	3.9
S	2.7	10.0	4.3									24.0	4.6
SSW	2.0	4.0	1.0									7.7	4.9
SW	2.0	2.3	1.0									6.7	4.3
WSW	2.0	1.0	0.3									3.3	3.5
W	1.0	1.3		0.3								3.0	4.3
WNW	1.0											1.0	2.7
NW	1.0	0.3										1.3	2.5
NNW	1.0											1.0	2.0
VARB													
CALM												20.3	
	37.3	29.7	12.0	0.3		0.7						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97331  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
MOVES (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	1.0	.1								6.2	4.7
NNE	1.7	1.7	.8	.0	.0	.0						4.3	4.8
NE	1.1	1.4	.9	.1								3.5	5.0
ENE	1.0	1.0	.8	.2								3.0	5.4
E	1.4	2.0	1.4	.5								5.3	5.7
ESE	1.2	1.2	1.3	.1								3.8	5.3
SE	1.1	1.6	1.1	.1								3.6	5.1
SSE	1.0	2.2	2.3	.2								5.7	6.0
S	3.9	5.2	3.6	.4	.0							13.1	5.3
SSW	1.6	3.2	1.3	.2								6.4	5.0
SW	2.4	2.9	2.1	.1	.0							7.4	5.1
WSW	2.0	2.9	1.7	.4								6.9	5.5
W	2.1	3.0	1.4	.2								6.7	4.8
WNW	1.6	.9	.7	.0								3.2	4.5
NW	1.8	.6	.2	.1								2.4	3.8
NNW	1.0	.5	.2	.0		.0						1.7	4.2
VARB.													
CALM												16.2	
	26.6	33.2	21.0	2.7	.1	.1						120.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
97831

STATION NAME  
BEAUFORT, SC

YEAR  
73-82

MONTH  
JUL

CLASS  
ALL WEATHER

DAY  
01

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.9	1.0										3.9	3.0
NNE	1.0	2.3	.4									3.5	4.4
NE		1.0	.3									1.3	5.8
ENE		.6										.6	5.0
E	.6	.3		.3								1.3	5.0
ESE	1.0		.1									1.3	3.5
SE	.3											.3	2.0
SSE	.6		.3									1.0	4.0
S	5.5	6.5	.6									12.4	3.6
SSW	3.9	5.5	1.6									11.0	4.5
SW	2.9	5.2	2.3									10.3	4.8
WSW	2.3	2.6	.3									5.2	3.8
W	2.3	1.9										4.2	3.3
WNW	1.3	1.0										2.3	3.1
NW	.6											.6	2.0
NNW	1.0											1.0	2.0
VARB.													
CALM												39.7	
	26.1	27.7	6.1	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-32  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3	.3									2.6	3.8
NNE	3.5	1.9										5.5	2.9
NE	1.3	1.0										2.3	3.0
NNE	.3											.3	2.0
E	.6	.3	.3									1.3	3.8
ESE	.6	.3										1.0	3.0
SE													
SSE	.6	.3										1.0	3.0
S	2.6	1.0	.6									4.2	3.3
SSW	2.6	3.9	.6									7.1	4.1
SW	6.5	6.8	2.6									16.1	4.3
WSW	3.9	3.9	.3									8.1	3.7
W	3.9	2.6										6.5	3.2
WNW	1.3	.3										1.6	2.2
NW	.3											.3	1.0
NNW	1.9											1.9	1.8
VARB.													
CALM												40.3	
	31.3	23.5	4.9									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

310

SMC

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97931  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	1.0	.3									4.5	3.0
NNE	3.9	3.2	.6									7.7	3.8
NE	1.6	.6	1.7									3.2	4.0
NNE	1.3	1.3	.6									3.2	4.3
E	1.0											1.0	2.7
ESE	.6		.3									1.0	3.3
SE	1.0											1.0	2.3
SSE	.3											.3	2.0
S	3.2	.3										3.5	2.5
SEW	2.6	4.2	.3									7.1	4.1
SW	3.9	7.4	1.9									13.2	4.8
WSW	4.5	5.5	1.9									11.9	4.2
W	3.2	4.2	1.3									8.7	4.0
WNW	1.0	.6										1.6	2.6
NW	1.3		.3									1.6	3.2
NNW	2.3	.6										2.9	2.6
VARB													
CALM												27.4	
	34.4	29.0	8.7									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93831  
STATION

BEAUFORT, SC  
STATION NAME

73-R2  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.3									3.2	4.1
NNE	1.9	1.3	1.0	.3								4.5	5.1
NE	1.5	2.6	1.6									5.8	4.9
NNE	1.3	3.5	2.9	.3								8.1	6.1
E	1.6	1.3	.6									3.5	4.1
ESE	.3	1.6	.3									2.9	5.1
SE	.6	1.0	1.0									2.6	5.4
SSE	2.0	1.3	.3									4.5	3.5
S	3.9	2.6	1.0									7.4	3.7
SSW	1.9	4.8	1.6									8.4	4.8
SW	2.6	2.6	3.5	.3								9.0	5.6
WSW	1.3	5.5	3.5									10.9	5.5
W	3.9	5.5	2.3									11.6	4.6
WNW	1.9	2.3	.3									4.5	4.2
NW	1.3	.3										1.6	3.0
NNW	1.0		.3									1.3	4.0
VARIABLE												11.3	
CALM													
	29.0	38.1	20.6	1.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

2805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97871  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

JUL

MONTH

13

DATE (L.S.T.)

ALL WEATHER

CLASS

ORIGIN

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	.6									2.9	4.9
NNE	1.0	1.6										2.6	4.0
NE	1.0	1.9	.6									3.5	4.7
NNE	1.7	2.3	1.9	.3								5.8	5.8
E	2.6	3.9	3.2									9.7	5.3
ESE	.6	1.9	1.0									3.5	5.2
SE	2.3	2.9	1.3	.3								6.8	5.1
SSE	1.0	4.2	2.9									8.1	5.9
S	1.6	2.6	4.2	.3								8.7	6.4
SSW	1.3	2.6	1.3									5.2	4.9
SW	2.3	3.2	2.6									8.1	5.6
WSW	3.5	5.6	2.3	.3								11.9	5.1
W	2.6	1.6	4.5	.3								9.0	6.1
WWW	.3	1.9	1.0									3.2	6.1
NW	.3	1.3	.3			.3						2.3	7.4
NNW	.6	1.3										1.9	4.5
VARIABLE													
CALM												6.8	
	22.9	40.6	27.7	1.6		.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97431  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

JUL

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6										1.6	5.2
NNE	.3		.7									.6	5.0
NE	1.0	.3	.6									1.9	4.0
NNE	.3	1.0	1.6	.3								3.2	7.1
E	1.2	4.2	4.5	.3								12.3	5.6
ESE	1.3	4.8	2.3	.3								8.7	6.0
SE	1.6	4.8	2.9	.3								9.7	5.8
ESE	.3	4.2	8.4	.3								13.2	7.3
S	1.9	5.2	11.6	2.6								21.3	7.6
SSW	1.0	2.9	.3	.6								4.8	6.0
SW	.3	3.9	2.3									6.5	6.0
WSW	.3	1.6	1.9									3.9	6.3
W	.3	1.9	1.6	.3								4.5	6.1
WNW	1.3	1.0										2.3	3.4
NW	.3	.3	.6	.3								1.6	7.2
NNW	.3	.6										1.0	4.3
VARB.													
CALM												2.0	
	15.2	37.4	39.0	5.5								170.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

07011  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	.3									1.0	4.7
NNE	.3	.3	.6									1.3	5.3
NE		.3	.6									1.0	6.7
NNE	.4	1.3	.3									1.9	5.5
E	4.2	5.7	1.6									11.0	4.2
ESE	1.9	3.2	1.0									6.1	4.7
SE	.3	4.2	2.9									7.4	5.7
SSE	2.3	5.5	5.2									12.9	5.8
S	4.8	14.5	10.3									29.7	5.7
SSW	.6	2.6	1.9	.3								5.5	6.4
SW	1.9	2.6	.6									5.2	4.4
WSW	2.6	1.0	1.3	.3								5.7	4.4
W	1.6	1.0	.3									2.9	3.7
WNW	.3			.3								.6	7.0
NW	.6	.3										1.0	3.0
NNW	1.0											1.0	1.3
VARB.													
CALM												6.5	
	23.2	42.3	27.1	1.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

310

5800

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

47331  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6		.3								1.9	4.5
NNE	.7	1.0	.3									1.6	5.4
NE	1.3	.3	.6									2.3	4.3
NNE	.6	.6	.3									1.6	3.6
E	2.0	1.6	.3									4.8	3.5
ESE	1.9	1.0										2.9	3.0
SE	2.3	1.9	.3									4.5	3.8
SSE	4.2	3.2	.3									7.7	3.4
S	12.3	11.9	2.3									26.5	3.9
SSW	4.2	3.5	1.0	.3								9.0	4.4
SW	3.5	3.2	1.3									8.1	4.4
WSW	2.3	1.0										4.3	3.3
W	1.0	.3										1.3	2.8
WNW	.3											.3	3.0
NW	.3											.3	2.0
NNW	.6											.6	2.0
VARIABLE												72.3	
CALM													
	39.0	31.3	6.9	.6								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

310

ENCLOSURE

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	.2	.0								2.7	3.7
NNE	1.5	1.5	.4	.0								3.4	4.1
NE	1.0	1.0	.7									2.7	4.5
NNE	.7	1.3	1.0	.1								3.1	5.6
E	5.1	2.1	1.3	.1								5.6	4.7
ESE	1.0	1.6	.6	.0								3.7	4.9
SE	1.0	1.9	1.0	.1								4.0	5.2
SSE	1.5	2.3	2.2	.0								6.1	5.5
S	4.5	5.6	3.8	.4								14.2	5.1
SSW	2.3	3.7	1.1	.2								7.3	4.8
SW	3.0	4.4	2.1	.7								9.6	4.9
WSW	2.6	3.5	1.5	.1								7.6	4.6
W	2.4	2.4	1.2	.1								6.1	4.5
WNW	1.0	.0	.2	.0								2.1	4.1
NW	.6	.3	.2	.0		.0						1.2	4.7
NNW	1.1	.3	.0									1.5	2.9
VARIABLE													
CALM												19.4	
	27.7	33.7	17.6	1.2		.0						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97371  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

206

MONTH

ALL WEATHER

CLASS

71

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.0	.6									6.5	3.5
NNE	3.5	.6	1.0									5.2	3.4
NE	1.6	1.3										2.0	3.7
NNE	.6	.6										1.3	3.3
E	.6	.3										1.0	2.3
ESE	.3	.3										.6	3.0
SE	.3											.3	3.0
SSE	1.0	.3										1.3	2.5
S	5.2	1.3	1.0									7.4	3.1
SSW	5.8	2.3	1.0	.3								9.4	3.7
SW	4.5	3.9	1.3									9.7	4.0
WSW	2.9	2.3	.3									5.5	3.4
W	1.0											1.0	1.7
WNW	.6											.6	2.0
NW	1.0											1.0	2.3
NNW	1.9	.6	.3									2.9	3.7
VARB.													
CALM												43.5	
	34.4	15.8	5.5	.3								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93471  
STATION

BFA FORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	3.5	1.0	.3								10.3	3.8
NNE	3.2	2.9	1.3									7.4	4.2
NE	1.3	1.3										2.6	3.5
NNE			.3									.3	7.0
E	.3											.3	2.0
ESE													
SE	.3											.3	2.0
SSE	.6											.6	2.0
S	1.6	1.0										2.6	2.6
SSW	1.3	1.6	1.0									3.9	4.3
SW	4.2	3.2	1.6									9.0	4.1
WSW	4.2	2.6										6.8	5.0
W	2.6	1.9	.3									4.8	3.7
WNW	.3	.6										1.0	3.3
NW	.3		.3									.6	4.0
NNW	1.6		.3									1.9	2.3
VARB.													
CALM												47.4	
	27.4	18.7	6.1	.3								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-72  
YEARS

406  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	3.2	1.7	.7								12.3	3.8
NNE	4.1	4.8	2.3									11.9	4.4
NE	1.0	3.2										4.2	3.9
ENE		.7										.3	5.0
E	.3	.3										.6	4.0
ESE		.7										.3	6.0
SE													
SSE	.3											.3	1.0
S	1.6	.6										2.3	3.0
SSW	2.6	1.0	.4									4.2	3.7
SW	4.2	4.8										9.0	3.7
WSW	4.5	3.4	.7									8.4	3.5
W	2.6	3.9										6.5	3.6
WNW	1.3											1.3	1.8
NW	1.3	.3										1.6	3.6
NNW	1.3	.3										1.6	2.8
VARB.													
CALM												35.2	
	33.2	26.8	4.5	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97001 REA FORT, SC YEARS 73-82 MONTH NORTH 10 HOURS 15.0

STATION NAME CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	1.0	.3								5.0	4.0
NNE	2.3	3.0	3.0									9.3	5.3
NE	1.0	4.5	1.0									8.7	6.0
ENE	1.0	3.5	2.0	.3								7.4	6.8
E	1.0	2.0	.6									4.5	4.0
ESE	1.0	.6	.6									2.0	3.0
SE	1.0	1.0	.4									2.9	4.1
SSE	1.0	.4	.3									2.4	3.5
S	1.0	1.0	1.0	.3								4.0	5.1
SSW	2.4	3.0	.3	.3								6.0	4.7
SW	3.0	1.0	1.0									6.0	4.2
WSW	2.4	2.0	1.0									7.4	5.0
W	4.0	4.0	1.0									11.0	4.0
WNW	1.0	.4										1.0	3.5
NW	1.0	1.0	.4									3.0	3.8
NNW	1.0	1.0	.3	.3								3.0	3.8
VARB.												11.0	
CALM													
	37.6	38.1	16.8	1.6								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION BEAUFORT, SC

73-82

AUG

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

13

DOSE (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.3	1.0									5.8	4.3
NNE	1.6	1.9	1.3									4.4	5.0
NE	2.3	1.6	1.3	.6								5.8	5.3
NNE	1.0	2.6	1.9									5.5	5.9
E	3.5	3.2	2.9									9.7	5.1
ENE	2.6	3.9	2.6									9.0	5.1
SE	1.9	2.3	2.6									6.8	5.5
SSE	2.6	2.3	1.6	.3								6.8	5.0
S	2.6	2.9	1.0	.3								6.8	5.0
SSW	.6	3.2	1.9									5.8	5.6
SW	2.9	2.6	.6	.3								6.5	4.3
WSW	1.3	2.3	1.0	.3								5.8	5.8
W	2.0	1.3	2.9	.3								7.4	5.3
WNW	1.0	.3										1.3	3.0
NW	1.6	.6	.3									2.6	3.3
NNW	.3	1.0	.6	.6								2.6	6.5
VARB.													
CALM												7.4	
	31.0	34.2	24.5	2.9								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
97433

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTH  
AUG

CLASS  
ALL WEATHER

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.9	1.7									4.5	4.9
NNE	1.0	1.6	.7	.6								3.5	5.6
NE	.6	1.0	.3	.6								2.6	6.5
ENE	.6	2.6	1.3	.6								5.2	6.0
E	1.3	4.2	3.9	1.0								10.3	6.5
ESE	1.6	2.6	4.5	.6								9.4	6.4
SE	2.3	6.1	4.2									12.6	5.5
SSE	2.3	5.8	7.4									15.5	6.4
S	1.3	4.5	6.8	.3								12.9	6.8
SSW	1.9	2.9	2.3	1.0								8.1	6.0
SW	1.3		.3									1.6	3.4
WSW	.3	1.6	1.6									3.5	5.6
W	.6	1.6	.3									2.6	4.0
WNW	.3	.6	1.0									1.9	6.0
NW		.6		.3								1.0	7.3
NNW	.6	.3		.3								1.3	4.8
VARB.													
CALM												3.5	
	17.7	38.1	35.2	5.5								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.3	.6								2.9	5.4
NNE	.6	1.0	1.0									2.6	5.5
NE	.6		1.0									1.6	5.8
ENE	1.0	1.0										1.9	4.0
E	6.1	4.8	1.3									12.3	3.9
ESE	3.2	4.5	.6									8.4	4.1
SE	4.5	2.9	.6									8.1	3.6
SSE	5.2	10.6	2.3									18.1	4.5
S	7.1	10.3	3.5									21.0	4.6
SSW	1.3	1.0	2.3									5.5	5.6
SW	.6		1.0									1.6	5.8
WSW	2.3		.3									2.6	3.1
W	.6	.3			.3							1.3	6.5
WNW	.6	.3	.3									1.3	4.8
NW			.3									.3	9.0
NNW	.6	1.0	.3									1.9	4.2
VARS													
CALM												8.7	
	35.9	39.4	15.2	.6	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

310

3805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93311  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

22  
DAYS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.0	.6									4.2	3.9
NNE	.6	1.3	.3									2.3	5.0
NE	2.9	1.0	.3									4.2	3.0
ENE	3.5	1.0										4.8	2.9
E	4.8	1.0	.3	.3								6.5	3.0
ESE	1.3	.6										1.9	2.7
SE	2.6	.6										3.2	2.8
SSE	1.9	1.9										3.9	3.8
S	8.4	6.5	1.0									15.3	3.6
SSW	3.5	4.5	1.3									9.4	4.2
SW	2.3	2.6	1.0									5.8	4.2
WSW	.3	.6	1.0									1.9	6.3
W	1.6	.6	.6									2.9	3.9
WNW		.6	.3									1.7	6.0
NW	.6											.6	1.5
NNW	1.0	.3										1.3	2.8
VARS													
CALM												30.6	
	38.1	24.2	6.8	.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
NUMBER (L.S.T.)

POSITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	3.3	2.1	.3	.2								6.5	4.1
NNE	2.2	2.2	1.4	.1								5.8	4.7
NE	1.4	2.0	.5	.2								4.1	4.6
NNE	1.0	1.5	.7	.1								3.3	5.1
E	2.3	2.1	1.1	.2								5.6	4.7
ESE	1.3	1.6	1.7	.1								4.1	4.9
SE	1.7	1.6	1.0									4.3	4.6
SSE	1.0	2.7	1.5	.0								6.1	4.9
S	3.7	3.6	1.8	.1								9.2	4.6
SSW	2.5	2.6	1.3	.2								6.6	4.7
SW	3.0	2.3	.8	.0								6.5	4.1
WSW	2.3	2.0	.9	.0								5.7	4.3
W	2.1	1.8	.7	.0	.0							4.7	4.2
WWW	.7	.4	.2									1.3	4.0
NW	.8	.3	.2	.0								1.4	3.8
NNW	1.2	.6	.2	.2								2.1	3.9
VARBL													
CALM												23.4	
	31.3	29.4	14.3	1.5	.0							170.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2480

ENCLOSURE

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97671

BEAUFORT, SC

STATION NAME

73-A2

YEAR

SEP

MONTH

01

NOV (L.S.T.)

ALL WEATHER

CLASS

ORIGIN

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.0	2.0	.3									8.3	2.9
NNE	3.3	4.3	2.0									9.7	4.8
NE	2.0	2.3	1.3									5.7	4.8
NNE	.7	.3	.3									1.3	4.8
E	1.3	.3	.3									2.0	3.5
ESE	.3											.3	2.0
SE	.3											.3	1.0
SSE	.3											.3	3.0
S	4.0	1.3	1.0	.3								6.7	4.0
SSW	1.3	3.0										4.3	3.8
SW	3.0	1.7	.3									5.0	3.2
WSW	2.0	.7										2.7	3.0
W	2.3	1.0										3.3	3.1
WNW	.7	.3	.3									1.3	4.5
NW		1.0										1.0	4.7
NNW	3.0	1.0										4.0	2.6
VARIABLE													
CALM												43.7	
	30.7	19.3	6.0	.3								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

300

8806



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93871  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

SEP  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	1.3									10.3	3.7
NNE	1.3	3.0	1.3	0.7								8.0	4.7
NE	1.7	0.0	1.7	0.3								7.7	5.1
NNE	1.0	0.3										1.3	2.6
E	0.3	0.3										0.7	3.5
ESE	0.7											0.7	2.5
SE	0.3		0.3									0.7	5.0
SSE	0.7		0.3									1.0	4.3
S	0.7	1.0	0.3									2.0	3.8
SSW	1.3	2.0		0.3								3.7	4.5
SW	1.3	1.3		0.3								3.0	4.7
WSW	2.3	1.0	0.3									3.7	3.2
W	3.7	2.0										5.7	2.9
WW	1.3	0.7										2.0	3.2
WSW	1.7	0.7										2.3	2.9
WNW	2.3	1.0										3.3	2.9
WAVE													
CALM												44.4	
	27.7	21.3	5.3	1.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93871

BEAUFORT, SC

73-82

SEP

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

07

HOURS (LST)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.7	6.3	1.3									15.3	3.0
NNE	6.7	4.3	4.0	1.0								16.0	5.0
NE	.7	1.7	1.7	.3								4.3	6.5
NNE	.7	.3										1.0	3.0
E	.3											.3	2.0
ESE	.3	.3										.7	3.5
SE		.3										.3	4.0
SSE	.3											.3	3.0
S	1.3	.7	.3									2.3	3.1
SSW	2.7	.3		.3								3.3	3.8
SW	2.3	1.7										4.0	3.2
WSW	2.7	.7	.7									4.0	3.5
W	2.7	.3										3.0	2.0
WNW	1.0		.3									1.3	3.0
NW	1.3	1.3										2.7	3.0
NNW	2.3	1.7										3.3	2.7
VARIABLE													
CALM												37.7	
	33.0	19.3	8.3	1.7								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93311  
STATION

8 FAIRFORD, SC  
STATION NAME

73-87  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.O.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N	3.7	3.7	3.7	.7								10.7	6.0
NNE	1.7	6.7	4.7	.3								12.7	6.2
NE	3.3	4.3	7.3	1.0								15.0	6.6
NNE	.7	3.0	3.0									6.7	6.4
E	2.7	1.0	1.0	.3								5.7	5.1
ESE	.3	.3										.7	4.0
SE	1.0	.3	.3	.3								2.0	5.2
SSE	.3	.7	.3									1.3	5.0
S	.7	.7	.7									2.0	4.8
SSW	2.0	1.0	1.7									4.7	5.0
SW	1.0	2.0	.3									3.3	4.6
WSW	4.3	1.7	.7	.3								7.0	3.9
W	4.0	3.0	.3									7.3	3.6
WNW	2.3	1.0										3.3	2.9
NW	3.0	.7	.3									4.0	2.8
NNW	2.3	2.3	.3									5.0	3.9
VARIABLE												9.3	
CALM													
	31.3	31.7	24.7	3.0								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 300

2808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

SEA FORT, SC

STATION NAME

73-82

YEARS

SEP

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.7	3.7									9.3	5.3
NNE	2.3	2.7	3.0									8.0	5.4
NE	2.0	2.0	3.0	.7								7.7	6.2
ENE	2.7	5.0	2.7	.3								10.5	5.6
E	1.3	5.0	3.3	1.0		.3						13.7	6.1
ESE	.7	2.3	1.7	.3								5.6	6.4
SE	.3	2.3	1.7	.7								5.0	7.1
SSE	1.0	.3	3.0									4.3	6.8
S	2.0	2.7	1.3									6.0	4.6
SSW	1.7	1.3	1.7									4.0	4.5
SW	1.0	2.3	1.3									4.7	5.4
WSW	1.0	1.7	1.3									4.0	5.4
W	2.3	1.7	.7									4.7	3.7
WWW	1.3	.7										2.0	3.3
NW	.3	1.3	.3									2.0	4.7
NNW	1.7	1.0	.3									3.0	4.0
VARIABLE													
CALM												7.0	
	24.7	37.0	28.0	3.0		.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97331 BFA FORT, SC STATION NAME YEARS 73-80 MONTH SEP  
CLASS ALL WEATHER HOURS 16  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3	2.3									7.7	5.3
NNE	.3	3.3	2.7									6.0	6.2
NE	.7	1.7	2.0	.3								4.0	6.6
NNE	2.7	1.0	2.3	.3								6.3	5.3
E	1.7	5.7	5.3	1.3								14.0	6.8
ESE	1.0	3.7	3.7	.3								9.7	6.2
SE	3.3	3.0	4.0	.7								10.0	6.3
SSE	1.3	5.0	2.7	.3								8.7	5.8
S	2.3	3.7	5.7	.3								12.0	6.1
SEW	1.0	2.0	.7									3.7	4.5
SW	.3	.3	1.7	.3								2.0	7.2
WSW	1.0	2.0	.3									3.3	4.0
W	1.0	1.0	.3									2.3	4.1
WWW		1.0	1.3		.3							2.7	8.3
NW		.3	.3									.7	6.0
NNW	.3	1.3	.3									2.0	4.8
VARB													
CALM												6.3	
	17.7	37.3	34.3	4.0	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

SEP

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	2.7									8.0	4.8
NNE	1.3	1.3	1.0									4.7	4.5
NE	1.7	2.3										4.0	3.6
NNE	1.7	2.3	1.0	.3	.3							5.7	6.2
E	4.0	3.7			.3							13.0	3.3
ESE	5.0	2.7	.7									6.7	3.3
SE	1.7	2.7	1.0									5.3	4.1
SSE	3.7	5.3		.3								9.7	4.1
S	5.3	8.0	2.3									15.7	4.2
SSW	1.3	1.3										2.7	3.4
SW	.3											.7	3.0
WSW	.7	.3										1.0	2.7
W	1.7	1.0		.3								3.0	3.9
WNW	1.7	.3										2.3	2.2
NW	.7		.7									1.0	3.0
NNW	1.7											1.7	1.4
VARIABLE													
CALM												14.3	
	41.7	34.0	8.3	1.0	.7							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

370

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17371 BEAUFORT, SC 73-20 YEARS 1973  
STATION NAME CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.7	1.0									7.3	3.6
NNE	1.3	3.3	1.7									7.3	4.4
NE	2.0	3.0	.7									5.7	4.2
NNE	7.3	1.3	.3	.3								5.7	3.7
E	7.3	1.3										3.7	2.7
ESE	1.0	.3	.3									1.7	3.6
SE	1.7											1.7	2.2
SSE	1.7	1.3	.3									2.7	4.6
S	4.7	3.3	.7	.3	.3							9.7	4.4
SSW	4.7	2.7	.3	.3								8.0	3.5
SW	2.7	.7										3.3	2.6
WSW	.3		.7									1.7	5.3
W	.7	.3										1.0	2.7
WWW	.7	.7	.3									1.7	4.4
NW	.7											.7	1.5
NNW	1.7											1.7	1.6
VARBL													
CALM												38.0	
	34.7	20.3	6.3	1.0	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: SEA FORT, SC YEARS: 17-20 REF: SEE  
STATION NAME: ALL WEATHER NORTH: ALL  
CLASS: ALL HOURS (LST): ALL  
CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.6	2.0	.1								9.0	4.5
NNE	2.0	3.5	2.5	.2								9.1	5.2
NE	1.5	2.0	2.0	.3								6.7	5.7
ENE	1.7	1.7	1.2	.2	.0							4.7	3.3
E	2.5	2.2	1.2	.3	.0	.3						6.5	5.1
ESE	1.2	1.2	.5	.1								3.2	4.9
SE	1.1	1.1	.2	.2								3.2	5.5
SSE	1.1	1.5	.7	.1								3.2	5.1
S	2.6	2.7	1.5	.1	.0							7.0	4.6
SSW	2.0	1.7	.5	.1								4.3	4.1
SW	1.5	1.2	.4	.1								3.2	4.2
WSW	1.0	1.0	.5	.0								3.2	3.9
W	2.3	1.3	.2	.0								3.2	3.3
WNW	1.1	.6	.3		.0							2.0	4.1
NW	1.0	.7	.2									1.2	3.3
NNW	1.0	1.0	.1									3.0	3.1
VARB													
CALM												25.0	
	30.1	27.5	15.2	2.0	.2	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: BEAUFORT, SC

72-92

OCT

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

01

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.5	3.5	1.6	.6								11.3	4.5
NNE	5.2	3.2	2.6									11.0	4.4
NE	1.3	2.9	1.7									5.7	4.6
ENE	.6	.6										1.2	4.0
E													
ESE	.3											.3	3.0
SE	.3		.3									.6	5.5
SSE	.3	.3	.3									1.0	4.7
S	1.3	.6	.6									2.4	4.0
SSW	.6	.3	.3									1.3	4.3
SW	1.6		1.0									2.6	4.4
WSW	1.9	1.6										3.5	3.3
W	.6	2.3	1.0	.3								5.2	6.1
WNW	1.3	.3	.6									2.3	4.0
NW	2.0	1.3	.6									4.8	3.7
NNW	1.0	.6	.3									2.9	3.2
VARB.													
CALM												43.9	
	25.5	17.7	11.6	1.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 57871 STATION NAME BTA FORT, SC YEAR 77-82 MONTH OCT  
ALL WEATHER CLASS 04  
POSITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	5.2	3.9	.6								14.5	5.3
NNE	4.2	4.2	3.2	1.3								12.9	5.4
NE	1.7	1.3	.3		.3							3.2	5.3
NNE		.7	.3									.6	6.0
E													
ESE	.4											.7	2.0
SE													
ESE													
S	.3	1.0										1.3	3.8
SEW	.6	1.0	.6									2.3	4.7
SW	1.0	.3	1.4	.3								2.4	5.8
WSW	1.4	1.6	.6									3.5	4.3
W	1.3	1.6	1.4									4.2	4.8
WNW	1.6	1.3	.3	.7								3.5	4.5
NW	2.6	1.0	.4									4.2	3.5
NNW	2.5	.6	.3									3.5	2.5
VARBL													
CALM												43.2	
	21.0	19.4	12.6	2.6	.3							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-82

YEAR

OCT

MONTH

ALL WEATHER

CLASS

37

BOUNDS (L & U)

ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.3	6.5	3.4	.6								17.4	4.9
NNE	1.9	4.5	4.6	1.0								13.9	5.9
NE	3.2	2.9	1.7	.3								7.4	4.5
ENE	.3		.6									1.0	6.0
E	.6	.3										1.0	2.7
ESE	.3											.3	1.0
SE	.6											.6	2.5
SSE													
S	.6	.3	.6									1.6	4.8
SSW	1.0	.3	.3									1.6	3.6
SW	1.3	1.3										4.5	2.9
WSW	.6	.6	1.3									2.6	5.6
W	1.0	1.0	1.6									4.8	4.6
WNW	.6	1.0	1.0									2.6	5.6
WW	2.6	.3										2.9	2.6
WNW	4.2	.3	.6	.3								5.5	3.6
VARIABLE													
CALM												32.3	
	33.6	20.3	14.5	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

310

BMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97811  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

POSITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	7.1	2.6								15.4	7.4
NNE	1.9	5.2	7.1	2.6								16.8	7.3
NE	1.9	6.1	6.5	1.0								14.5	6.7
NNE	1.3	3.2	3.5	.3								9.4	6.0
E	1.9	1.0	1.0	.3								3.2	5.8
ESE	.6		.3									1.0	4.3
SE	.3	.3										.6	3.5
SSE	.3	1.3		.3								1.9	5.3
S		.3	.3									.6	7.0
SSW	1.3	.6	1.6									3.5	5.5
SW	1.3	1.0	1.3									3.5	5.3
WSW	1.3	.6	1.0		.3							3.2	6.2
W	1.6	3.5	2.3	1.0								8.4	6.3
WWW	1.0	.6	1.6	.3								4.5	5.4
NW	.6	.3										1.0	3.3
NNW	1.6	2.6	1.0									5.2	5.0
VARIABLE													
CALM												6.8	
	20.3	29.4	34.5	8.7	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27A31  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

13  
NUMBER (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	4.5	.3								10.5	6.5
NNE	1.9	3.2	3.7	1.0								9.4	6.2
NE	.6	4.2	2.3									7.1	5.8
ENE	2.3	2.9	2.6	.3								8.1	5.8
E	2.3	5.2	2.9	.3								10.6	5.3
ESE	.6	2.9	1.9									5.5	5.9
SE	.6	1.6	1.0									3.2	5.5
SSE	1.6	.6	.6	.3								3.2	4.9
S	.6	1.6	.3	.3								2.9	5.8
SSW	.6	2.3	1.3									4.2	5.7
SW	.6	1.3	1.0	.3								3.2	6.1
WSW	1.3	1.9	1.3	.6								5.2	6.4
W	1.9	1.6	1.9	1.9								7.4	7.0
WNW	1.6	1.6	1.9									5.2	5.8
NW	.6	1.6	1.0	.6								3.9	6.4
NNW	1.0	.3	2.3	.6	.3							4.5	7.9
VARB													
CALM												5.4	
	20.3	36.8	30.0	6.8	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

BRAS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97901  
STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

OCT

MONTH

16

NUMBER (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.8	4.5	.3								11.3	6.2
NNE	1.0	3.2	3.2	.3								7.1	6.4
NE	.6	1.6	1.3									3.5	5.8
NNE	1.0	2.6	1.3	.3								5.2	5.7
E	4.5	4.8	5.5									14.6	5.4
ESE	1.0	6.5	3.2	.3								11.3	6.0
SE	.6	2.3	1.0									3.9	4.9
SSE	.3	2.9	1.6	.3								5.2	6.1
S	1.6	2.9	1.0	.3								5.6	5.9
SSW	1.6	.3	1.0	.3								3.2	5.4
SW		1.3	.3									1.6	4.4
WSW	1.6	1.6	.6									3.9	4.4
W	1.0	2.6	1.9	1.9								7.4	7.8
WNW	2.3	.6	1.3									4.2	4.6
NW	.6	1.0	.6	.6								2.9	7.9
NNW	1.3	1.3	1.9	.3								4.4	5.7
VARIABLE													
CALM												3.2	
	19.7	41.6	30.3	5.2								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97331  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

19  
YEAR

HOURLY (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	2.9	.6									8.1	3.6
NNE	1.6	2.3	1.3	.6								5.8	5.5
NE	1.6	1.6	.6									3.9	4.3
NNE	2.9	1.9	.3									5.2	2.9
E	3.7	2.0	1.0									12.6	3.2
ESE	2.6	.3										2.9	2.6
SE	1.6	.6	.3									2.6	3.0
SSE	3.2		.3									3.5	2.9
S	6.1	2.9	1.3	.3								10.6	4.0
SSW	.6	1.0	.3	.3								2.3	5.3
SW	1.6	.3										1.9	2.0
WSW	.3	.6										1.0	4.3
W	2.6	.6	1.0									4.2	4.0
WW	1.6	.6	.6									2.9	3.9
NW	1.6	.6										2.3	3.1
NNW	1.9	.3	.6	.3								3.2	4.8
VARBL													
CALM												27.1	
	43.2	19.7	8.4	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97971  
STATION

SEA FORT, SC  
STATION NAME

73-87  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	1.7	1.6	.3								7.7	4.4
NNE	3.9	4.2	1.3	1.0								10.3	5.2
NE	1.9	3.5	.6	.3								6.5	4.6
NNE	2.3	2.3										4.5	3.4
E	1.3	.3										1.7	2.4
ESE	.3	.3										.6	4.0
SE		.3										.3	4.0
SSE	1.4	.3										1.7	3.0
S	2.3	.3	2.3									4.6	5.0
SSW	.6	1.9	.6									3.2	5.1
SW	1.3	.6	.3									2.3	3.3
WSW	1.3	.6	.3	.3								2.6	4.6
W	2.6	.3	1.3									4.7	4.5
WNW	1.3	1.3	.3									2.9	4.0
NW	1.3	.3										1.6	2.6
NNW	.3	1.0	1.0	.3								2.6	6.3
VARS													
CALM												42.3	
	26.1	19.7	9.7	2.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
97831

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTH  
OCT

CLASS  
ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0	4.0	3.4	.7								12.1	5.5
NNE	2.9	3.7	3.3	1.0								11.0	4.8
NE	1.5	3.0	1.7	.2	.0							6.5	5.4
NNE	1.5	1.7	1.1	.1								4.4	5.0
E	2.3	1.8	1.3	.1								5.5	4.6
ESE	.8	1.3	.7	.0								2.8	5.2
SE	.5	.6	.3									1.5	4.5
SSE	.9	.7	.4	.1								2.1	4.6
S	1.6	1.2	.8	.1								3.5	4.8
SSW	.9	1.0	.8	.1								2.7	5.1
SW	1.3	.9	.6	.1								2.8	4.3
WSW	1.2	1.2	.6	.1	.0							3.2	5.0
W	1.7	1.8	1.6	.6								5.7	6.0
WNW	1.5	.0	1.0	.1								3.5	4.8
NW	1.6	.8	.4	.2								2.9	4.3
NNW	1.9	.9	1.0	.2	.0							4.0	4.9
VARBL													
CALM												25.6	
	26.0	25.6	19.0	3.8	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2480

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97831  
STATION

BEAUFORT, SC  
STATION NAME

73-82  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

31  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.0	1.3									7.0	4.2
NNE	2.0	3.7	1.3	.7								7.7	5.5
NE	1.3	2.3	.7									4.3	4.5
NNE	1.7	.3	.3									2.0	3.5
E		.3										.3	4.0
ESE													
SE	.7	.7										1.3	3.3
SSE	.7	.3										1.0	2.3
S	2.3	3.0	.7									6.7	4.1
SSW	1.7	1.0	1.3	.3								4.3	5.7
SW	1.0	1.3	.7									3.0	5.3
WSW	1.7	1.7										3.3	3.4
W	3.3	3.0	1.7	1.0								9.0	5.7
WNW	.3	2.0	1.0	.3	.3							4.0	7.3
NW	1.0	2.0										3.0	4.2
NNW	1.7	2.0	.3									4.0	4.0
VARB.													
CALM												36.7	
	21.7	26.7	9.3	2.3	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

320

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION BEAUFORT, SC STATION NAME 73-67 YEARS NCV  
 MONTH 04  
 HOURS (L.S.T.)  
 ALL WEATHER  
 CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.7	2.0	.3								9.7	4.8
NNE	3.0	2.7	1.7	.3								7.7	5.0
NE	1.3	2.0	1.0									4.3	4.9
ENE	.7	.3	.3	.3								1.7	6.0
E		.3										.3	6.0
ESE													
SE	.3	.3										.7	3.0
SSE		.7										.7	5.5
S	.3	1.3	.3									2.0	5.0
SSW	2.0	1.7	1.3	.3								5.3	5.6
SW	.3	2.7	.3									3.3	4.8
WSW	2.3	1.0	.3									3.7	3.7
W	2.3	2.3	3.0	.3								8.0	5.8
WNW	1.3	2.7	1.3	.7								6.0	5.8
NW	2.0	1.7	.7	.3								4.7	4.4
NNW	2.0	1.3	.3									3.7	3.5
VARS													
CALM												38.3	
	21.7	24.7	12.7	2.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: FORT, SC YEAR: 1962 MONTH: NOV  
STATION: 07 HOURS (L.S.T.):  
ALL WEATHER CLASS:  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	5.3	2.7									12.7	4.3
NNE	2.7	3.0	2.3									8.0	4.0
NE	1.7	1.7	1.7									4.7	5.4
ENE		.7	.7	.3								1.7	7.6
E		.3										.3	4.0
ESE	.3											.3	2.0
SE	.7	.7										1.7	3.5
SSE		.3										.3	6.0
S	1.3	.3	.7	.3								2.7	5.6
SSW		2.3	.7	.3								3.3	6.8
SW	1.7	1.3	1.0									4.0	4.3
WSW	2.7	.3	1.0									3.3	4.0
W	2.3	1.7	2.3	1.0								7.3	6.3
WNW	1.0	2.0	1.0	.3								4.7	5.7
NW	1.7	1.7	.7									3.7	4.1
NNW	3.7	1.3	1.0									6.0	7.4
VARBL													
CALM												36.7	
	21.3	22.3	15.7	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 370

SNOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BFA FORT, SC

STATION NAME

73-87

YEARS

NOV

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	4.3	3.7	1.7								11.0	6.2
NNE	5.3	3.7	4.3	2.0								12.3	6.5
NE	5.3	6.0	4.7	.3								13.3	5.7
ENE	1.7	3.3	.7	.7								6.7	5.4
E	.0	2.0	.7									4.7	4.1
ESE	.9	1.0										1.7	3.4
SE	1.7	.3										1.7	3.0
SSE	.7	.3	.7									1.7	4.6
S		.7	1.3	.7								2.7	6.8
SSW	.7	2.3	2.0	.3								5.3	6.9
SW	.7	2.0	1.7	.3								4.3	6.5
WSW	.3	2.0	1.7	1.0								4.7	7.4
W	1.3	1.7	3.7	1.3								6.7	7.8
WNW	1.7	2.3	1.7	1.7								6.7	6.3
NW	.7	1.0	1.7									3.3	6.4
NNW	1.3	3.7	1.3	1.7								7.3	6.2
VARB													
CALM												7.0	
	19.3	36.0	29.0	9.7								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

300

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME BEAUFORT, SC YEARS 73-82 MONTH NOV  
STATION 7301 CLASS ALL WEATHER HOURS (L E T) 17  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.0	4.7	0.3								9.0	5.8
NNE	1.0	1.0	2.7	0.7								7.7	6.5
NE	1.0	2.0	2.7	0.3								6.0	5.9
ENE	1.7	3.7	2.3									7.7	5.4
E	0.7	3.0	2.7	0.7								6.7	6.7
ESE	0.7	1.3	0.7	0.7								7.0	6.3
SE	0.7	1.0										1.0	4.6
SSE	0.3	1.3	1.7									3.0	6.2
S	1.0	3.7	2.3									7.0	5.9
SSW	0.7	2.7	2.3									5.0	6.5
SW		1.0	1.3									2.3	7.1
WSW	0.7	1.3	2.7		0.7							6.3	6.8
W	1.0	2.7	4.7	2.3	0.3							10.0	8.6
WNW	1.0	1.0	1.3	1.0								4.0	7.2
NW	1.0	0.7	2.0									3.7	5.9
NNW	1.7	2.3	2.3	0.7								7.0	5.2
VARB.													
CALM												8.0	
	17.3	32.7	34.3	6.7	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

NOV

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								8.3	6.6
NNE	1.0	1.0	1.0	1.0								5.7	6.5
NE	1.0	2.0	2.0	1.0								6.7	5.6
ENE	1.0	3.0	1.0	1.0								4.3	4.8
E	1.0	5.0	1.0	1.0								10.7	4.7
ESE	1.0	3.0	1.0	1.0								4.7	5.4
SE	1.0	2.0	1.0	1.0								4.3	5.2
SSE	1.0	4.0	1.0	1.0								6.7	5.1
S	1.0	5.0	3.0	1.0								11.7	5.7
SSW	1.0	1.0	1.0	1.0								3.3	5.7
SW	1.0	2.0	1.0	1.0								3.3	4.8
WSW	1.0	1.0	1.0	1.0								2.7	5.3
W	1.0	3.0	5.0	2.0								12.7	7.4
WNW	1.0	1.0	2.0	1.0								4.3	6.9
NW	1.0	1.0	1.0	1.0	1.0							4.7	6.6
NNW	1.0	1.0	2.0	1.0	1.0							4.7	6.4
VARBL													
CALM												3.7	
	11.7	42.3	31.0	4.0	1.0							110.0	5.7

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: STA FORT, SC

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

19

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.3	1.7									7.3	4.2
NNE	2.7	.7	1.0									4.3	3.0
NE	2.3	2.0	.3		.3							5.0	4.5
ENE	3.0	2.3	1.0									6.3	4.4
E	3.7	1.0	.3									4.4	3.3
ESE	1.3	1.0										2.3	3.3
SE	1.7	1.0	.7									3.7	4.2
SSE	2.3	2.7	.3									5.3	3.8
S	5.0	4.0	1.0									10.0	3.9
SSW	1.0	2.0	.7									3.7	4.8
SW	1.7	.3										2.7	2.2
WSW	2.7	.7	.3									3.7	3.0
W	1.7	1.7	1.7	.3								5.0	6.2
WNW	1.7	.3	.7		.3							3.0	5.9
NW	1.0	1.7	.7									3.3	4.8
NNW	.7	.7										1.3	3.3
VARBL													
CALM												79.7	
	34.3	25.3	9.7	.3	.7							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
27871

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTH  
NOV

CLASS  
ALL WEATHER

NUMBER (L.S.T.)  
22

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.7	.7									7.0	4.3
NNE	1.7	2.7	1.7									6.0	5.1
NR	2.0	2.3		.3								4.7	4.4
ENE	2.3	1.0	.7									4.0	4.2
E	1.7	1.7										3.0	3.6
ESE	.7	.7										1.7	3.5
SE	.7	.7										1.7	4.0
SSE	.7	.7										1.3	2.8
S	1.7	4.3	1.3									7.4	5.0
SSW	1.3	2.7	.7									4.7	4.8
SW	1.0	.7										1.7	3.2
WSW	1.3	1.3										2.7	3.0
W	1.7	2.3	2.7	1.0								7.7	6.3
WNW	1.0	.7	.7	.3								2.7	5.9
NW	.3	.7	.3									1.3	6.0
NNW	1.3	1.0										2.3	3.1
VARBL													
CALM												41.5	
	22.1	26.5	8.0	1.7								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97811  
STATION

BFAJFORT, SC  
STATION NAME

73-A2  
YEAR

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
WINDS (L.S.V.)

CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	3.6	2.3	.3								9.0	5.1
NNE	2.0	2.6	2.1	.5								7.2	5.6
NE	1.9	2.5	1.6	.1	.0							6.1	5.2
ENE	1.4	1.8	.8	.2								4.3	5.0
E	1.3	1.8	.7	.1								3.4	4.7
ESE	.5	.9	.2	.1								1.7	4.7
SE	.8	.7	.2									1.4	4.2
SSE	.7	1.4	.5									2.5	4.6
S	1.4	2.9	1.4	.7								6.2	5.2
SSW	1.0	2.0	1.3	.2								4.5	5.9
SW	.4	1.4	.7	.0								3.0	5.0
WSW	1.6	1.1	.8	.1	.1							3.4	5.0
W	1.8	2.3	3.0	1.2	.0							8.3	6.9
WNW	1.1	1.5	1.3	.5	.1							4.4	6.4
NW	1.1	1.3	1.0	.8	.0							3.4	5.3
NNW	1.7	1.7	.9	.3								4.5	5.0
VARIABLE													
CALM												25.5	
	22.3	29.6	18.6	3.7	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
STATION

BFAIRFORT, SC

STATION NAME

73-82

YEARS

DEC

MONTH

ALL WEATHER

CLASS

31

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.9	.6									5.5	3.9
NNE	2.5	4.9	2.3	.3								10.0	5.3
NE	.3	1.9	1.0									3.2	6.0
NNE													
E													
ESE			.3									.3	10.0
SE													
SSE	.5	.6	.6									1.9	5.3
S	1.5	1.9	1.9	1.0								6.5	6.7
SSW	1.0	1.6	1.0	1.0								5.5	5.8
SW	2.3	1.3	.3									3.0	3.7
WSW	2.3	2.6	1.6	.3								6.8	5.1
W	2.6	3.2	2.9	1.9								10.6	6.5
WNW	1.0	2.3	2.6	1.0								6.8	7.0
NW	.6	1.9	1.0									3.5	5.5
NNW	1.3	.6										1.9	3.5
VARB													
CALM												33.5	
	19.0	25.8	16.1	5.5								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97831 STATION NAME BEAUFORT, SC YEARS 73-82 DEC 04  
MONTH 04  
HOURS (L.S.T.) 04

ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.3	1.3	.3								9.4	4.7
NNE	1.0	2.0	2.6	.6								8.1	5.7
NE	1.0		.3	.3								1.6	4.6
NNE	.3	.3	.3									1.0	4.7
E													
ESE		.3										.3	4.0
SE		.3										.3	4.0
SSE	.3	1.0	.6									1.9	5.7
S	.6	1.3	1.0	.3								3.2	6.2
SSW	1.6	1.6	1.6	.3								5.2	5.7
SW	.3	3.2	.6		.3							4.5	5.9
WSW	.6	2.9	.3									3.7	4.9
W	2.0	4.8	3.2	1.6								12.6	6.2
WWW	1.6	2.6	2.3	.3								6.8	5.9
NW	1.6	1.9	.3									3.6	4.2
NNW	.6	2.6	1.0									4.2	5.3
VARB													
CALM												3.2	
	16.5	30.6	15.5	3.9	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-87

YEARS

DEC

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.1	2.4	.6								10.3	5.4
NNE	2.3	2.3	3.2	.6								8.4	6.4
NE	1.9	.6	.6									3.2	4.0
ENE	.6	.6										1.3	3.6
E													
ESE	.6											.6	2.0
SE	.6											.6	1.5
SSE	.6	.3	.3									1.3	3.3
S	.3	1.6	1.9	.3								4.2	6.8
SSW	1.0	2.3	1.6	.3								5.2	6.2
SW	.3	1.6	.3									2.3	5.0
WSW	1.0	1.3	1.0									3.2	5.0
W	1.9	2.9	2.6	1.3	.3							9.0	6.9
WWW	.6	2.3	1.0	1.0								4.8	6.3
NW	2.3	2.3	.3									4.6	3.8
NNW	1.9	2.6	1.3									5.8	5.0
VARBL													
CALM												34.8	
	19.4	24.5	16.8	4.2	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-P2

YEAR

DEC

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.6	3.4	1.9								9.4	7.8
NNE	1.6	4.8	5.5	1.3								13.2	6.9
NE	2.6	3.5	2.3									8.4	5.3
NNE	1.3	1.6	1.0	.3								4.2	5.5
E	1.6	1.6										3.2	3.3
ESE	.6											.6	2.7
SE	.6	1.3										1.9	4.2
SSE	.6	1.0		.3								1.9	5.3
S	1.9	1.9	3.9	.6								8.4	6.7
SSW		1.6	.6	1.0								3.2	7.6
SW	.6	1.0	.3	1.3	.3							3.5	9.1
WSW	1.6	2.9	1.3	1.0								6.8	6.2
W	1.9	1.6	3.2	1.6	.3							8.7	7.9
WNW	1.9	1.6	3.2	1.3								8.1	6.8
NW	1.9	1.0	1.3	.3								4.5	5.6
NNW	.6	1.0	1.9	.6								4.2	7.5
VARBL													
CALM												9.1	
	20.6	29.0	28.4	11.6	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

310

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97331  
STATION

95ALFORT, SC  
STATION NAME

73-82  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

17  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	4.0	3.0	1.0	.6							10.3	7.7
NNE	.3	2.6	2.9	.3								6.1	7.1
NE	1.6	2.3	1.6	.6								6.1	5.9
ENE	1.7	.6	1.9									3.6	6.4
E	1.3	1.3	.6	.3								3.6	5.4
ESE	.6	.3	.3									1.3	5.3
SE	.3	.6	.6									1.6	5.4
SSE	.6	1.3	2.6	1.0								5.6	7.4
S	.6	2.9	4.2	1.9								9.7	8.2
SSW	.6	1.3	2.6	1.6	.3							6.5	9.2
SW	.6	1.9	1.0	1.0								4.5	7.4
WSW	.6	1.9	2.9	.3	.3							6.1	7.7
W	1.3	4.2	5.2	2.9	.6							14.2	8.1
WNW	.7	1.3	1.9	1.3								4.8	8.6
NW	.6	2.3	1.0	.3								5.2	6.3
NNW	.3	.6	1.6	.3								2.9	7.9
VARBL													
CALM												8.1	
	11.6	27.7	35.8	12.9	1.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

BEAUFORT, SC

STATION NAME

73-82

YEARS

DEC

MONTH

ALL WEATHER

CLASS

16

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.5	4.5	1.0								11.0	6.7
NNE	1.0	1.6	1.0									3.6	4.8
NE	1.0	1.6	1.0	.3								4.8	5.1
NNE	1.0	1.0	1.3									3.5	4.0
E	1.6	1.3	1.6	.3								4.8	5.0
ESE	.6	1.6	1.0									3.5	5.0
SE		1.0	1.6									2.6	7.0
ESE	.6	1.6	1.6									3.0	5.7
S	1.0	5.8	3.9	1.3								12.3	6.8
SSW	1.0	.3	1.9	.3								3.9	6.3
SW	.6	1.6	1.3	.3								3.9	6.2
WSW	.6	2.3	1.3	1.0								5.2	6.8
W	1.0	5.2	3.9	3.2	1.0							17.1	7.4
WW	1.3	2.6	4.2	1.6								9.7	7.6
NW	.6	1.6	1.3									3.6	5.8
NNW	.3	1.0	.6									1.9	5.7
VARI													
CALM												4.5	
	18.4	34.9	31.7	9.4	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SEA FORT, SC STATION NAME SEA FORT YEARS 19-22 MONTH 12  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	1.0									1.0	4.7
NNE	1.0	1.0	1.0									4.0	5.4
NE	1.0	.0	1.0									1.0	4.0
ENE	1.0	.0	.0									1.0	5.0
E	.0	1.0	.0									1.0	4.0
ESE	.0	.0	.0									1.0	4.4
SE	1.0	.0	.0									1.0	1.0
SSE	1.0	1.0	1.0									1.0	4.4
S	1.0	1.0	2.0	.0								1.0	5.0
SSW	.0	1.0	.0									1.0	2.0
SW	.0	1.0	.0	.0								4.0	1.9
WSW	.0	1.0	.0									5.0	3.5
W	.0	3.0	1.0	1.0								10.0	1.0
WWW	.0	1.0	1.0	.0								1.0	7.0
NW	1.0	.0	2.0									4.0	5.7
NNW	1.0	1.0	1.0									3.0	4.3
VARBL												27.2	
CALM													
	27.0	29.0	16.0	3.0								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 170

5106

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7401 SCALEFORT, SC STATION NAME 73-82 YEARS DEC  
MONTH 20  
HOURS (LST) 20  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.2	.7	.3								5.6	4.4
NNE	.5	3.5	1.3									6.1	5.7
NE	1.0	.5	1.9	.3								3.2	6.4
NNE	1.0	.2	.7									1.5	4.4
E	.5			.3								1.0	3.3
ESE				.3								.3	12.0
SE	.5	1.0										1.3	3.5
SSE	1.0	.6	1.3	.3								3.2	6.0
S	2.6	2.0	2.9	.3								9.7	5.3
SSW	1.3	2.0	1.9	1.0								7.1	6.3
SW	1.9	2.6	.3									4.9	4.2
WSW	1.2	2.3		.3								5.8	3.9
W	1.3	2.7	3.9	1.6	.3							9.7	7.2
WNW	1.0	1.3	.6	.6								3.6	5.7
NW	1.3		.6	.6								2.6	6.3
NNW	1.0	.5										1.5	3.2
VARI													
CALM												33.3	
	10.7	24.0	15.5	6.1	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 309

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97431 SEA FORT, SC STATION NAME 23-47 YEARS DEC  
MONTH ALL  
CLASS ALL  
HOURS (LST) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	2.3	.6	.1							8.5	5.9
NNE	1.5	3.1	2.7	.6								7.6	6.0
NE	1.5	1.4	1.1	.2								4.2	5.3
NNE	.7	.6	.7	.0								2.2	5.2
E	.7	.7	.7	.1								1.8	4.9
ESE	.4	.4	.2	.0								1.1	5.0
SE	.4	.3	.3									1.2	4.5
SSE	.2	1.0	1.0	.2								2.9	5.7
S	1.5	2.1	2.5	.8								8.2	6.4
SSW	1.3	1.5	1.5	.7	.0							5.0	6.5
SW	1.2	1.2	.6	.4	.1							4.0	5.6
WSW	1.5	2.2	1.1	.4	.0							5.4	5.5
W	2.4	3.6	3.3	2.0	.3							11.5	7.1
WNW	1.0	1.0	2.2	.9								6.0	6.9
NW	1.4	1.4	1.1	.2								4.1	5.4
NNW	1.0	1.3	.7	.1								3.3	5.5
VABL													
CALM												23.0	
	19.1	28.2	22.1	7.0	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION BEAUFORT, SC YEARS 1951-52 ALL MONTHS  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	1.7	.3	.0	.0	.0	.0	.0	.0	.0	6.1	5.3
NNE	1.7	2.2	1.6	.3	.0	.0	.0	.0	.0	.0	.0	6.1	5.5
NE	1.2	1.7	1.1	.2	.0	.0	.0	.0	.0	.0	.0	4.2	5.4
NNE	1.1	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.3	5.4
E	1.7	1.0	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.0	5.2
ESE	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.0	5.2
SE	.9	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
SSE	1.1	1.2	1.5	.3	.0	.0	.0	.0	.0	.0	.0	4.7	5.9
S	2.7	3.3	2.0	.7	.1	.0	.0	.0	.0	.0	.0	10.1	5.3
SSW	1.5	2.2	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.1	5.5
SW	1.7	2.0	1.1	.2	.0	.0	.0	.0	.0	.0	.0	5.1	5.1
WSW	1.7	2.1	1.3	.4	.0	.0	.0	.0	.0	.0	.0	5.4	5.5
W	1.0	2.4	2.5	1.1	.1	.0	.0	.0	.0	.0	.0	5.2	6.6
WNW	1.1	1.3	1.2	.5	.0	.0	.0	.0	.0	.0	.0	4.1	6.3
NW	1.0	.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	2.7	5.2
NNW	1.1	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	2.6	4.9
VARBL													
CALM												20.4	
	23.1	79.0	21.0	5.4	.4	.0	.0	.0	.0	.0	.0	100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 29210

8805

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION BEAUFORT, SC STATION NAME 73-82 YEARS ALL  
INSTRUMENT CLIM MONTH ALL  
CONDITION CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE  
HOURS (L.S.T.) AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	5.3	4.5	1.0								10.7	5.9
NNE	1.3	1.3	3.7	.9	.7							9.7	6.5
NE	2.1	2.4	2.7	.6	.7							7.1	5.9
ENE	1.0	1.0	1.4	.3	.7							3.7	6.0
E	1.2	1.4	1.2	.5	.7	.7						4.4	5.9
ESE	.5	.7	.6	.2								2.0	5.9
SE	.5	.7	.5	.1		.7						1.7	5.8
SSE	.5	1.0	.9	.3	.7							2.9	6.8
S	1.4	2.3	2.1	1.0	.1	.7						7.1	7.0
SSW	.7	1.5	1.1	.6								4.0	6.6
SW	.5	1.4	.4	.7	.7							2.9	5.5
WSW	.5	1.7	1.4	.1								3.9	6.2
W	1.4	1.5	1.7	.8	.2	.7						5.7	6.9
WNW	1.3	1.1	1.7	.5	.1							3.7	6.4
NW	1.3	1.2	1.4	.3	.7	.7						4.4	5.8
NNW	1.5	2.5	1.5	.4								5.8	5.5
VARBL													
CALM												16.0	
	20.1	29.2	25.4	7.8	.6	.7						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2961

SMOS

NOCD, Federal building  
Asheville, N. C.

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
IV 1800																
IV 1500					91.0											92.6
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500										97.4						98.1
IV 400																
IV 300																
IV 200																
IV 100																
IV 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
77471STATION NAME  
SEAFORTH, SCYEAR  
73-P2

MONTH

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)PI  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	70.3	54.9	55.8	56.1	56.3	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
≥ 20000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 18000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 16000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 14000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 12000	52.9	57.4	59.4	59.7	60.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.3
IV 10000	54.3	60.3	62.3	62.6	63.2	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2
IV 9000	55.5	61.3	62.9	63.2	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8
IV 8000	58.4	64.3	66.1	66.5	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.1
IV 7000	60.7	65.9	67.7	68.1	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
IV 6000	60.3	66.1	68.1	68.4	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 5000	61.0	67.4	69.4	69.7	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.3
IV 4500	62.0	68.4	70.3	70.7	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.3
IV 4000	63.3	70.3	72.3	72.9	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5
IV 3500	64.2	70.7	72.6	73.2	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8
IV 3000	67.1	73.6	75.6	76.5	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.1
IV 2500	68.1	74.8	77.4	78.1	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.1
IV 2000	69.4	75.9	79.0	79.7	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6
IV 1800	68.4	76.1	79.4	80.0	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9
IV 1500	69.7	76.8	80.2	81.3	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.6
IV 1200	69.4	77.1	80.3	82.3	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8
IV 1000	70.0	78.1	81.6	84.5	85.5	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1
IV 900	70.0	78.1	81.6	84.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4
IV 800	70.0	78.1	81.6	85.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1
IV 700	70.0	78.7	82.3	86.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
IV 600	70.0	79.4	83.2	87.4	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
IV 500	70.0	80.0	83.9	88.7	89.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6
IV 400	70.0	80.3	84.8	90.0	91.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 300	70.0	80.3	84.8	90.3	91.6	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8
IV 200	70.0	80.3	84.8	90.3	91.6	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8
IV 100	70.0	80.3	84.8	90.7	91.9	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.1
IV 0	70.0	80.3	84.8	90.7	91.9	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
REAFORT, SC

73-02

JAN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)NO  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	42.4	47.7	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 18000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 16000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 12000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 7000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 6000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 5000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2500	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1800	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1500	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1200	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1000	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 900	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 800	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 700	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 600	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 500	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 400	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 300	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 200	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 100	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 0	47.1	52.6	56.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

SEAFOUR, SC

STATION NAME

73-82

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CY

HOURS (L.O.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		39.7	45.2	47.7	48.1	48.4	49.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	57.7	51.0
≥ 20000		45.7	51.3	54.2	54.8	55.2	56.8	56.8	56.8	56.8	56.8	56.8	57.8	57.8	57.7	58.1
IV 18000		45.2	51.3	54.2	54.8	55.2	56.8	56.8	56.8	56.8	56.8	56.8	57.8	57.8	57.7	58.1
IV 16000		45.2	51.3	54.2	54.8	55.2	56.8	56.8	56.8	56.8	56.8	56.8	57.8	57.8	57.7	58.1
IV 14000		45.2	51.3	54.2	54.8	55.2	56.8	56.8	56.8	56.8	56.8	56.8	57.8	57.8	57.7	58.1
IV 12000		45.2	51.3	54.2	54.8	55.5	57.1	57.1	57.1	57.1	57.1	57.1	57.7	57.7	58.1	58.4
IV 10000		45.2	52.3	55.2	55.8	56.5	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	59.0	59.7
IV 9000		46.7	52.3	55.2	55.8	56.5	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	59.0	59.7
IV 8000		49.7	55.5	59.0	59.7	60.3	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.9	63.6
IV 7000		49.7	55.5	59.0	60.0	60.7	62.3	62.3	62.3	62.3	62.3	62.3	62.9	62.9	63.2	63.9
IV 6000		49.7	55.5	59.0	60.0	60.7	62.3	62.3	62.3	62.3	62.3	62.3	62.9	62.9	63.2	63.9
IV 5000		50.7	57.7	61.3	61.9	62.6	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2	65.5	66.1
IV 4500		51.3	57.7	61.3	62.3	62.9	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2	65.5	66.5
IV 4000		51.3	57.7	61.3	62.3	62.9	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2	65.5	66.5
IV 3500		51.3	57.7	61.3	62.3	62.9	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2	65.5	66.5
IV 3000		53.6	61.3	65.5	66.5	67.1	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.9	72.6
IV 2500		54.2	62.6	66.5	70.3	71.0	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.9	74.5
IV 2000		55.5	63.9	69.7	71.6	72.3	74.5	74.5	74.5	74.5	74.5	74.5	75.5	75.5	75.8	76.5
IV 1800		55.5	64.2	70.0	71.9	72.6	74.8	74.8	74.8	75.2	75.2	75.2	75.8	75.8	76.1	76.8
IV 1500		57.7	67.1	73.2	75.8	76.5	78.7	78.7	78.7	79.0	79.0	79.0	79.7	79.7	80.0	80.7
IV 1200		58.1	67.7	74.8	77.4	78.7	81.0	81.0	81.0	81.3	81.3	81.3	81.9	81.9	82.3	82.9
IV 1000		58.4	68.1	76.1	79.4	80.7	82.9	82.9	82.9	83.2	83.2	83.2	83.9	83.9	84.2	85.2
IV 900		59.7	69.7	76.8	80.0	81.3	83.6	83.6	83.6	83.9	83.9	83.9	84.5	84.5	84.8	85.8
IV 800		59.7	69.7	77.4	80.7	81.9	84.2	84.2	84.2	84.5	84.5	84.5	85.2	85.2	85.5	86.5
IV 700		59.7	69.7	77.7	81.0	82.3	84.5	84.5	84.5	84.8	84.8	84.8	85.5	85.5	85.8	86.8
IV 600		59.7	69.7	78.1	81.9	82.9	85.2	85.2	85.2	85.8	85.8	85.8	86.5	86.5	86.8	87.7
IV 500		59.7	69.7	78.4	82.3	83.9	86.5	86.5	86.5	87.7	87.7	87.7	88.4	88.4	88.7	90.0
IV 400		59.7	69.7	78.7	82.6	84.2	87.4	87.4	87.4	88.7	88.7	88.7	89.7	89.7	90.0	91.3
IV 300		59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	90.3	90.3	90.3	91.3	91.3	91.6	92.9
IV 200		59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	90.3	91.3	91.3	92.3	92.3	92.9	94.5
IV 100		59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	90.7	91.6	91.6	92.9	92.9	93.2	94.8
IV 0		59.7	69.7	78.7	82.9	84.5	88.1	88.1	88.1	90.7	91.6	91.6	92.9	92.9	93.2	94.8

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
STATIONSTATION NAME  
STATION

73-22

YEARS

JAN  
MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.6	45.5	46.1	45.8	47.4	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	40.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 18000	50.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	40.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 14000	40.3	52.3	53.2	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 12000	41.3	53.2	54.5	55.0	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	54.2	54.1	57.7	59.0	59.7	59.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	54.2	54.1	57.7	59.0	59.7	59.7	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000	54.1	60.7	62.6	64.2	64.8	64.8	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 7000	58.7	61.6	63.6	65.2	65.8	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	58.7	61.6	63.6	65.2	65.8	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 5000	60.7	62.9	64.8	66.5	67.1	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4500	61.0	63.9	65.8	67.4	68.1	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	61.0	64.2	66.1	67.7	68.4	68.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 3500	61.0	64.2	66.1	67.7	68.4	68.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 3000	63.2	66.8	69.0	71.0	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2500	63.9	67.4	70.0	72.3	73.2	73.9	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2000	65.9	69.0	71.9	74.2	75.2	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	65.9	69.0	72.3	74.5	75.5	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 1500	67.7	71.9	75.5	78.1	79.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1200	68.2	72.3	76.5	79.0	80.7	81.3	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	68.4	72.6	77.4	80.0	81.9	83.2	83.6	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 900	69.7	74.2	79.0	81.6	83.4	84.8	85.9	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 800	69.7	74.5	79.7	82.6	84.5	85.8	86.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 700	70.0	75.5	81.0	83.9	85.8	87.1	87.4	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 600	70.7	75.8	81.0	83.9	86.1	87.4	87.7	88.4	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 500	70.0	74.1	81.6	85.2	88.1	90.3	91.0	91.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 400	70.0	76.1	81.6	85.2	88.4	91.0	91.6	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 300	70.0	74.1	81.6	85.5	89.0	91.6	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 200	70.0	76.1	81.9	86.1	90.0	92.9	93.6	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	70.7	76.1	81.9	86.1	90.0	92.9	93.6	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
0	70.0	74.1	81.9	86.1	90.0	92.9	93.6	94.2	94.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

97.01  
STATION

SEA FORT, SC

STATION NAME

73-62

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)17  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		59.7	50.0	51.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 20000		56.8	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000		56.8	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000		56.8	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000		56.8	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000		57.1	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000		60.0	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000		60.3	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000		65.8	66.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000		66.8	67.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000		66.8	68.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000		69.1	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500		68.4	69.7	71.0	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000		68.7	70.0	71.3	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500		69.4	70.7	71.9	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000		72.3	74.5	76.1	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500		72.9	75.2	76.8	77.7	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2000		73.9	76.8	79.0	80.3	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1800		74.2	77.4	79.7	81.0	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500		75.8	79.4	81.6	82.3	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1200		76.4	80.7	83.2	84.5	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000		77.4	81.6	84.2	85.8	86.8	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 900		77.4	81.6	84.5	86.8	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 800		77.4	81.6	84.8	87.4	88.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 700		78.4	82.6	85.8	88.7	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 600		78.4	82.6	86.8	90.0	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 500		78.4	82.9	87.4	91.0	92.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 400		78.4	82.9	87.7	91.3	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300		78.7	83.7	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200		78.7	83.2	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100		78.7	83.2	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0		78.7	83.2	88.1	92.6	94.8	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

77-40

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)1-  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.5	46.5	45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 9000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 8000		67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 3500		71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 2500		73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 2000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1800		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500		83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1200		85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1000		88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 900		89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 400		95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 300		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/8	≥ 0
NO CEILING	49.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 18000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 16000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 14000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 12000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 10000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 9000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 8000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 7000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 6000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 5000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 4500	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 4000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 3500	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 3000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 2500	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 2000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 1800	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 1500	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 1200	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 1000	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 900	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 800	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 700	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 600	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 500	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 400	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 300	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 200	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 100	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 0	5.7	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

75-10

YEARS

24

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.4	54.1	53.7	50.7	50.0	50.4	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 20000	45.5	60.7	61.0	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	45.5	60.7	61.0	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	45.5	60.7	61.0	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	46.1	61.3	61.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 12000	47.1	62.3	62.7	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 10000	47.7	64.8	65.5	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	48.0	65.2	65.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 8000	48.3	70.3	71.0	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 7000	48.3	71.3	71.4	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	48.5	71.6	72.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	46.1	72.3	72.9	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500	46.8	72.9	73.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	47.7	74.8	75.5	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	48.4	75.5	75.5	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	49.3	76.1	76.4	77.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	49.7	76.4	77.7	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2000	49.7	80.7	82.6	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	49.7	80.7	82.9	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	49.7	82.6	85.2	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1200	49.7	82.6	85.5	86.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1000	49.7	87.4	87.1	88.7	89.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 900	49.7	87.4	87.4	89.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	49.7	87.4	87.4	89.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 600	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 500	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 400	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 300	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 200	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 100	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 0	49.7	87.4	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1951-52 MONTH: ALL  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS: 11.5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	45.7	45.4	40.6	31.3	21.5	11.7	5.1.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	52.3	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 18000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 12000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 7000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 6000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 5000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2500	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1800	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1500	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1200	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1000	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 900	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 800	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 700	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 600	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 500	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 400	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 300	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 200	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 100	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 0	2.4	55.7	57.1	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

TOTAL NUMBER OF OBSERVATIONS: 2442

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME

STATION

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.3	51.9	61.7	62.3	62.8	67.1	63.1	63.1	63.1	63.1	63.5	63.8	63.8	64.2	64.2	64.2
≥ 20000	64.6	67.5	65.3	67.7	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	62.0	67.5	65.3	67.5	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	63.5	67.5	65.3	67.5	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	62.0	67.5	65.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	60.2	64.9	64.3	67.1	66.4	63.9	64.8	63.8	63.8	63.8	69.2	69.2	67.9	69.9	77.2	77.2
IV 10000	61.4	66.7	64.4	70.7	70.5	70.9	70.9	70.9	70.9	70.9	71.3	71.3	72.0	72.0	72.3	72.3
IV 9000	61.7	67.7	69.2	73.5	71.3	71.6	71.6	71.6	71.6	71.6	72.0	72.0	72.7	72.7	73.1	73.1
IV 8000	65.3	71.3	73.4	75.3	75.7	75.9	75.9	75.9	75.9	75.9	76.2	76.2	77.0	77.0	77.3	77.3
IV 7000	65.4	71.3	73.4	75.9	76.3	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.7	77.7	77.7	77.7
IV 6000	65.4	71.3	73.4	75.9	76.3	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.7	77.7	77.7	77.7
IV 5000	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	66.0	72.3	74.5	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 17421 BEAUFORT, SC

73-92

FE

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04

NOV 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING		43.2	54.4	56.9	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000		42.1	54.9	53.5	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3
IV 18000		42.1	54.9	63.5	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.3
IV 16000		42.1	54.9	63.5	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.3
IV 14000		42.1	54.9	63.5	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.3
IV 12000		42.9	59.2	63.8	65.4	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7
IV 10000		45.1	67.9	67.4	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.2
IV 9000		45.1	63.1	67.7	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6
IV 8000		47.8	65.3	70.9	72.7	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	74.1
IV 7000		46.5	67.0	72.0	74.1	74.1	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5
IV 6000		42.9	67.4	72.7	74.8	74.8	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.2
IV 5000		40.4	69.2	74.5	76.4	76.4	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0
IV 4500		40.4	69.2	74.5	76.4	76.4	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0
IV 4000		41.7	69.5	75.5	77.7	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.1
IV 3500		41.7	70.7	76.2	78.4	78.4	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.8
IV 3000		41.7	71.7	77.7	79.8	79.8	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2
IV 2500		41.7	71.6	78.0	80.5	80.5	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9
IV 2000		43.1	73.8	80.1	82.6	82.6	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0
IV 1800		43.9	74.1	80.5	83.0	83.0	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.4
IV 1500		44.7	75.5	82.3	85.1	85.1	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.9
IV 1200		44.5	75.5	83.3	86.5	86.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.3
IV 1000		44.4	77.3	84.0	87.2	87.2	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	89.4
IV 900		45.3	77.7	84.4	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.7
IV 800		45.3	77.7	84.8	87.9	87.9	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.4
IV 700		45.3	78.7	85.3	89.7	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	91.5
IV 600		45.3	73.0	85.3	89.4	89.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.6
IV 500		45.3	78.0	85.8	90.4	90.4	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.6
IV 400		45.3	78.0	86.5	91.1	91.1	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.3
IV 300		45.3	78.4	86.9	91.8	91.8	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.0
IV 200		45.3	78.4	86.9	91.8	91.8	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.8
IV 100		45.3	78.4	86.9	91.8	91.8	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	96.5
IV 0		45.3	78.4	86.9	91.8	91.8	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	98.0

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
92801

STATION NAME  
STATION, SC

STATION NAME

YEARS  
73-77

YEARS

FEET  
NORTH

27

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		37.6	42.9	47.5	52.7	58.0	61.1	61.4	61.4	61.8	62.1	62.1	62.5	62.5	62.8	63.0
≥ 20000		41.2	46.2	52.8	56.0	56.0	57.1	57.5	57.5	57.8	58.2	58.2	58.9	58.9	59.6	60.6
IV 18000		41.5	46.2	52.8	56.0	56.0	57.1	57.5	57.5	57.8	58.2	58.2	58.9	58.9	59.6	60.6
IV 16000		41.5	46.2	52.8	56.0	56.0	57.1	57.5	57.5	57.8	58.2	58.2	58.9	58.9	59.6	60.6
IV 14000		41.8	46.6	53.2	56.4	56.4	57.5	57.8	57.8	58.2	58.5	58.5	59.2	59.2	59.9	61.0
IV 12000		42.2	46.9	53.9	57.8	57.8	58.9	59.2	59.2	59.6	59.9	59.9	60.6	60.6	61.4	62.4
IV 10000		44.3	51.4	57.1	61.4	61.4	62.4	62.8	62.8	63.1	63.5	63.5	64.2	64.2	64.9	66.0
IV 9000		44.3	51.4	57.1	61.4	61.4	62.4	62.8	62.8	63.1	63.5	63.5	64.2	64.2	64.9	66.0
IV 8000		47.2	54.3	59.9	64.2	64.2	65.3	65.6	65.6	66.3	66.7	66.7	67.4	67.4	68.1	69.2
IV 7000		49.2	56.3	61.4	65.6	65.6	66.7	67.0	67.0	67.7	68.1	68.1	68.8	68.8	69.5	70.6
IV 6000		48.8	56.4	63.1	67.4	67.4	68.4	68.8	68.8	69.9	70.2	70.2	70.9	70.9	71.6	72.7
IV 5000		48.8	56.4	63.1	67.4	67.4	68.4	68.8	68.8	69.9	70.2	70.2	70.9	70.9	71.6	72.7
IV 4500		48.8	56.4	63.1	67.4	67.4	68.4	68.8	68.8	69.9	70.2	70.2	70.9	70.9	71.6	72.7
IV 4000		49.2	57.8	64.5	69.2	69.2	70.2	70.6	70.6	71.6	72.0	72.0	72.7	72.7	73.4	74.5
IV 3500		49.2	57.8	64.5	69.2	69.2	70.2	70.6	70.6	71.6	72.0	72.0	72.7	72.7	73.4	74.5
IV 3000		51.1	59.9	66.7	71.4	71.4	72.4	73.1	73.4	73.4	74.8	75.2	75.9	75.9	76.6	77.7
IV 2500		52.9	61.4	68.4	73.5	73.5	74.5	75.5	75.9	75.9	77.3	77.7	77.7	78.4	79.1	80.1
IV 2000		53.2	62.6	70.2	75.5	75.5	76.2	77.3	77.7	77.7	79.4	79.4	80.1	80.1	80.9	81.6
IV 1800		53.2	62.6	70.2	75.5	75.5	76.2	77.3	77.7	77.7	79.4	79.4	80.1	80.1	80.9	81.6
IV 1500		54.3	64.5	72.7	78.7	78.7	79.4	80.9	81.2	81.2	82.6	83.0	83.7	83.7	84.4	85.5
IV 1200		55.0	65.6	73.8	79.8	79.8	80.9	82.3	82.6	82.6	84.0	84.4	84.4	85.1	85.8	86.9
IV 1000		55.0	65.6	73.8	79.8	79.8	80.9	82.3	82.6	82.6	84.0	84.4	84.4	85.1	85.8	86.9
IV 900		56.0	66.7	74.8	81.2	81.2	81.9	84.0	84.4	84.4	85.8	86.2	86.2	86.9	87.6	88.7
IV 800		56.0	66.7	74.8	81.2	81.2	81.9	84.0	84.4	84.4	85.8	86.2	86.2	86.9	87.6	88.7
IV 700		56.0	66.7	74.8	81.2	81.2	81.9	84.0	84.4	84.4	85.8	86.2	86.2	86.9	87.6	88.7
IV 600		56.0	66.7	74.8	81.2	81.2	81.9	84.0	84.4	84.4	85.8	86.2	86.2	86.9	87.6	88.7
IV 500		56.4	67.7	76.2	83.0	83.0	84.4	85.5	85.5	86.9	87.2	87.2	87.9	87.9	88.7	89.7
IV 400		56.7	68.4	77.3	84.8	84.8	85.5	88.7	89.7	90.1	92.2	92.6	92.6	93.3	93.3	94.7
IV 300		56.7	68.4	77.3	84.8	84.8	85.5	88.7	89.7	90.1	92.2	92.6	92.6	93.3	93.3	94.7
IV 200		56.7	68.4	77.3	84.8	84.8	85.5	88.7	89.7	90.1	92.2	92.6	92.6	93.3	93.3	94.7
IV 100		56.7	68.4	77.3	84.8	84.8	85.5	88.7	89.7	90.1	92.2	92.6	92.6	93.3	93.3	94.7
IV 0		56.7	68.4	77.3	84.8	84.8	85.5	88.7	89.7	90.1	92.2	92.6	92.6	93.3	93.3	94.7

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

REARPORT, SF

STATION NAME

73-02

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.5	49.7	49.7	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.1	51.1
≥ 20000		52.3	55.7	56.5	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.5	57.5
IV 18000		53.2	56.7	56.4	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8
IV 16000		33.2	56.7	56.4	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8
IV 14000		53.2	56.4	56.7	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2	58.2
IV 12000		54.1	57.5	58.2	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.6	59.6
IV 10000		56.4	61.4	61.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
IV 9000		56.4	61.4	61.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
IV 8000		59.7	64.3	66.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4
IV 7000		59.7	67.0	67.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2
IV 6000		60.3	67.0	67.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2
IV 5000		60.6	67.4	68.1	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.2	70.2
IV 4500		61.1	68.4	69.2	70.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.3	71.3
IV 4000		61.4	68.8	70.2	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7
IV 3500		61.7	69.2	71.3	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.8	73.8
IV 3000		64.3	72.7	75.2	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7
IV 2500		5.3	73.8	77.0	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
IV 2000		46.0	74.5	77.7	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.5	80.5
IV 1800		46.0	74.5	79.0	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.9	80.9
IV 1500		46.1	77.0	80.1	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.0	83.3	83.3
IV 1200		46.4	77.3	80.5	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.4	84.4
IV 1000		69.5	74.4	81.9	84.8	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.5	86.5
IV 900		69.5	74.4	82.3	85.5	85.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.6	87.6
IV 800		69.5	74.4	83.3	86.5	86.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	89.0	89.0
IV 700		70.2	79.4	84.1	87.6	88.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.8	91.1	91.1
IV 600		70.6	77.9	85.1	89.7	90.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.0	93.3	93.3
IV 500		70.6	80.1	85.5	89.4	90.4	93.3	93.6	93.6	93.6	93.6	93.6	93.6	94.0	94.7	94.7
IV 400		70.6	80.1	85.5	90.8	91.8	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.5	96.5	96.5
IV 300		70.6	80.1	86.2	91.1	92.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	97.5	97.5	97.5
IV 200		70.6	80.1	86.2	91.1	92.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	97.5	98.2	98.2
IV 100		70.6	80.1	86.2	91.1	92.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	97.5	98.2	98.2
IV 0		70.6	80.1	86.2	91.1	92.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	97.5	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
STATION

WALFORD, SC

STATION NAME

73-74

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	52.1	52.4	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	59.2	59.9	59.9	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 10000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 5000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4500	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 3500	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 3000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 2500	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 2000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1800	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1500	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1200	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1000	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 900	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 800	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 700	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 600	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 500	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 400	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 300	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 200	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 100	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 0	60.3	61.0	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

05571  
STATIONSEAFORT, SC  
STATION NAME73-92  
YEARSFEB  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		62.1	62.5	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000		62.4	62.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 18000		63.1	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000		63.1	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000		63.8	64.2	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000		66.0	66.3	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000		69.2	70.3	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000		69.2	70.2	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000		72.0	73.4	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000		72.7	74.9	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 6000		73.5	75.4	76.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000		74.5	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500		74.5	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000		75.2	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500		76.2	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3000		79.1	81.9	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500		80.5	83.3	84.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2000		81.6	85.1	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800		81.6	85.1	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500		82.3	85.8	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200		82.6	86.2	87.9	91.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1000		84.0	87.6	89.4	91.5	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900		84.0	87.6	89.7	91.8	92.4	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800		84.4	87.9	90.1	92.6	93.3	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 500		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 400		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 0		84.4	88.3	90.4	92.9	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 262

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
07841

BEAUFORT, SC

STATION NAME

19-72

YEARS

FEET  
MONTHSPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.4	56.4	57.1	57.1	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000	62.4	64.7	64.9	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	62.4	64.2	64.9	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	62.4	64.2	64.9	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 14000	63.9	65.3	66.0	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	64.2	66.3	67.0	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 10000	66.3	68.8	69.9	70.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	67.0	69.5	70.6	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	69.9	72.7	73.8	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 7000	71.3	74.5	75.5	76.2	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	72.0	75.5	76.6	77.1	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	74.1	78.0	79.1	79.9	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4500	75.5	79.1	80.1	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	75.9	79.8	80.9	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	75.9	80.5	81.9	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	76.6	81.9	83.3	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	77.3	82.6	84.0	85.1	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	78.4	83.7	85.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	78.4	83.7	85.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	78.7	84.4	86.2	87.6	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	79.1	84.8	86.3	87.9	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	80.1	85.5	87.9	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 900	80.1	85.5	87.9	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 800	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 700	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 600	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 500	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 400	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 300	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 200	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 100	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 0	80.9	86.5	88.7	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
07871STATION NAME  
HEA FORT, SCYEARS  
73-72MONTH  
0000PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)HOURS (LST)  
22

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		59.2	62.4	63.5	63.7	63.9	63.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 20000		61.4	66.7	66.7	67.7	67.7	67.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4
IV 18000		61.4	66.7	66.7	67.7	67.7	67.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4
IV 16000		61.4	66.7	66.7	67.7	67.7	67.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4
IV 14000		62.4	67.0	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4
IV 12000		63.1	67.7	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2	69.2
IV 10000		66.7	70.9	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3
IV 9000		66.7	71.3	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7
IV 8000		70.9	76.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.1	78.1
IV 7000		70.9	77.7	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1
IV 6000		70.9	77.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.1	79.1	79.1	79.1
IV 5000		71.6	77.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.1
IV 4500		72.0	79.1	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2	81.2
IV 4000		73.1	80.1	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3
IV 3500		73.8	81.2	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7
IV 3000		75.5	83.3	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2	86.2	86.2
IV 2500		75.9	84.4	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6	87.6	87.6
IV 2000		76.3	84.8	86.9	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3
IV 1800		76.2	84.8	86.9	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3
IV 1500		77.1	85.2	88.3	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7
IV 1200		77.3	86.5	89.0	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4	90.4
IV 1000		77.7	86.9	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.8	90.8	90.8	90.8
IV 900		77.7	86.9	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.8	90.8	90.8	90.8
IV 800		77.7	86.9	89.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.8	90.8	90.8	90.8
IV 700		77.7	87.2	89.7	90.4	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.8	91.8	91.8	91.8
IV 600		77.7	87.2	90.4	91.5	92.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.6	93.6	93.6	93.6
IV 500		77.7	87.2	91.1	92.9	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0
IV 400		77.7	87.6	92.2	94.3	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8
IV 300		77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.2	97.2	97.2	97.2
IV 200		77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.2	97.2	97.2	97.2
IV 100		77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.2	97.2	97.2	97.2
IV 0		77.7	87.6	92.2	94.3	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97431STATION NAME  
SFA FORT, SCYEARS  
73-72MONTHS  
ALLPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	50.7	54.0	55.5	56.3	56.4	56.7	56.8	56.8	56.8	56.8	56.9	57.1	57.1	57.1	57.2	57.4	
≥ 20000	56.3	59.9	61.6	62.6	62.8	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.7	63.8	
IV 18000	56.8	60.2	61.8	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.6	63.6	63.7	64.0	64.1	
IV 14000	56.6	60.2	61.5	62.9	63.1	63.4	63.4	63.4	63.4	63.5	63.6	63.6	63.6	63.7	64.0	64.1	
IV 14000	57.1	60.7	62.4	63.4	63.8	63.9	64.0	64.7	64.0	64.1	64.1	64.1	64.3	64.3	64.5	64.6	
IV 12000	57.5	61.6	63.3	64.5	64.7	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.4	65.4	65.7	65.8	
IV 10000	58.5	64.9	66.8	68.1	68.3	68.6	68.6	68.6	68.7	68.8	68.8	68.8	69.0	69.0	69.2	69.2	
IV 9000	58.7	65.1	67.0	68.4	68.5	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.2	69.2	69.5	69.6	
IV 8000	58.2	69.2	71.2	72.0	72.8	73.1	73.2	73.2	73.3	73.4	73.4	73.4	73.6	73.6	73.8	73.9	
IV 7000	64.2	70.3	72.3	73.8	74.2	74.3	74.4	74.4	74.5	74.6	74.6	74.6	74.8	74.8	75.0	75.1	
IV 6000	65.2	71.7	72.8	74.3	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.3	75.3	75.3	75.5	75.6	
IV 5000	66.2	71.4	73.9	75.4	75.6	75.9	76.0	76.0	76.1	76.2	76.2	76.2	76.4	76.4	76.6	76.6	
IV 4500	66.2	72.1	74.5	76.0	76.2	76.5	76.6	76.6	76.7	76.8	76.8	77.0	77.0	77.0	77.3	77.4	
IV 4000	67.3	73.3	75.8	77.4	77.6	77.9	78.0	78.0	78.2	78.2	78.2	78.2	78.5	78.5	78.7	78.8	
IV 3500	67.6	73.4	76.6	78.2	78.4	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.3	79.3	79.4	79.6	
IV 3000	69.6	76.2	79.0	80.8	81.1	81.4	81.5	81.5	81.7	81.8	81.8	81.8	82.0	82.0	82.2	82.4	
IV 2500	70.4	77.2	80.4	82.2	82.6	82.9	83.0	83.0	83.2	83.3	83.3	83.3	83.5	83.5	83.7	83.9	
IV 2000	71.3	78.6	81.9	83.9	84.2	84.5	84.6	84.6	84.8	84.9	84.9	84.9	85.2	85.2	85.4	85.5	
IV 1800	71.5	78.8	82.1	84.2	84.5	84.9	85.0	85.0	85.2	85.3	85.3	85.3	85.5	85.5	85.7	85.9	
IV 1500	72.4	80.1	83.6	86.7	86.4	86.8	86.8	86.8	87.1	87.2	87.2	87.2	87.5	87.5	87.7	87.9	
IV 1200	72.7	80.6	84.3	86.7	87.1	87.6	87.7	87.7	87.9	88.0	88.0	88.0	88.4	88.4	88.6	88.7	
IV 1000	73.6	81.6	85.6	88.2	88.6	89.1	89.3	89.3	89.5	89.6	89.6	89.6	90.0	90.0	90.3	90.4	
IV 900	73.8	81.7	85.7	88.4	88.8	89.5	89.7	89.7	89.9	90.0	90.0	90.0	90.3	90.3	90.6	90.7	
IV 800	73.6	81.8	86.0	88.8	89.2	90.0	90.2	90.2	90.5	90.6	90.6	90.6	91.0	91.0	91.2	91.4	
IV 700	73.9	82.2	86.4	89.5	89.9	91.0	91.2	91.2	91.5	91.6	91.6	91.6	92.0	92.0	92.2	92.4	
IV 600	73.9	82.3	87.0	90.3	90.9	92.2	92.6	92.6	92.9	93.1	93.1	93.1	93.5	93.5	93.8	94.0	
IV 500	74.0	82.5	87.3	91.0	91.6	93.2	93.7	93.8	94.2	94.4	94.4	94.4	94.9	94.9	95.2	95.4	
IV 400	74.0	82.8	87.9	92.5	92.6	94.3	94.8	94.9	95.5	95.7	95.7	95.7	96.2	96.2	96.5	96.7	
IV 300	74.1	82.9	88.3	92.5	93.3	95.0	95.5	95.6	96.3	96.6	96.6	96.6	97.3	97.3	97.6	97.7	
IV 200	74.1	82.9	88.3	92.5	93.3	95.0	95.5	95.6	96.3	96.6	96.6	96.6	97.2	97.2	98.1	98.4	
IV 100	74.1	82.9	88.3	92.5	93.3	95.0	95.5	95.6	96.3	96.6	96.6	96.6	97.2	97.2	98.1	98.4	
IV 0	74.1	82.9	88.3	92.5	93.3	95.0	95.5	95.6	96.3	96.6	96.6	96.6	97.2	97.2	98.1	98.4	

TOTAL NUMBER OF OBSERVATIONS 2256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
27341STATION NAME  
BEAUFORT, SCYEARS  
73-80MONTH  
01PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	51.0	56.5	58.1	59.7	59.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	58.4	64.5	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 18000	56.4	64.5	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 16000	53.4	64.5	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 14000	50.7	64.5	66.1	68.1	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	49.0	65.2	66.8	68.7	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 10000	50.0	65.5	67.1	69.0	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	52.7	65.5	67.1	69.4	69.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	52.4	69.4	71.0	73.2	73.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	62.7	69.7	71.3	73.6	73.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	62.4	69.7	71.3	73.9	73.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000	63.2	70.3	72.6	75.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500	64.2	71.3	73.6	76.5	76.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000	64.3	71.9	75.2	78.1	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	64.8	72.3	75.8	78.7	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3000	65.5	73.6	77.4	80.3	80.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	66.1	74.5	78.4	81.3	81.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	67.4	76.8	80.7	83.6	83.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1800	67.4	76.8	80.7	83.6	83.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1500	67.7	77.4	81.6	84.5	84.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	67.7	77.7	81.9	84.8	84.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1000	67.7	78.4	82.9	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900	67.7	78.4	83.9	87.4	87.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 800	68.1	78.7	84.2	87.7	88.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 700	68.7	79.7	85.5	89.0	89.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	68.7	79.7	86.1	89.7	90.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	69.0	80.0	86.8	90.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	69.4	80.7	87.7	91.6	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	69.4	80.7	87.7	91.9	93.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200	69.4	80.7	87.7	91.9	93.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	69.4	80.7	87.7	91.9	93.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 0	69.4	80.7	87.7	91.9	93.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS

210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

73021  
STATION

ASHEVILLE, NC

STATION NAME

73-42

YEARS

MAY

MONTH

DAY

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	40.0	47.1	57.3	58.9	53.9	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	44.4	51.9	55.2	59.7	59.7	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	44.4	51.9	55.2	59.7	59.7	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	44.4	51.9	55.2	59.7	59.7	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	45.2	52.3	55.5	59.4	59.4	60.3	60.3	60.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	45.2	52.3	55.5	59.4	59.4	60.3	60.3	60.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 2500	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 2000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1800	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1600	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1400	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1200	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1000	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 900	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 800	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 700	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 600	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 500	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 400	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 300	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 200	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 100	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 0	46.0	53.0	57.4	61.0	61.0	62.0	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
7301

STATION NAME  
SEAFORT, SC

73-01

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		30.7	34.7	34.8	27.1	17.7	39.4	39.7	39.7	41.6	41.6	41.6	43.2	43.2	43.6	44.7
≥ 20000		33.4	38.4	39.7	42.9	43.9	45.7	45.8	45.2	47.7	48.1	48.1	49.7	49.7	50.7	51.4
IV 18000		13.4	30.4	39.7	42.9	43.7	45.9	45.8	45.7	47.7	49.1	48.1	49.7	49.7	50.3	51.4
IV 16000		33.6	38.4	39.7	42.9	43.9	45.5	45.8	45.2	47.7	49.1	48.1	49.7	49.7	50.7	51.2
IV 14000		34.5	39.4	40.7	43.9	44.9	46.5	46.8	46.9	49.1	49.4	49.4	51.0	51.3	51.4	52.2
IV 12000		35.1	41.3	42.9	46.1	47.1	48.7	49.7	49.7	51.3	51.6	51.6	53.2	53.2	53.9	54.5
IV 10000		37.7	44.5	46.5	50.1	51.6	53.2	53.6	53.6	55.8	56.1	56.1	57.7	57.7	58.4	60.7
IV 9000		37.7	44.5	46.5	50.1	51.6	53.2	53.6	53.6	55.8	56.1	56.1	57.7	57.7	58.4	60.7
IV 8000		42.7	50.7	52.9	56.5	58.1	60.0	60.7	60.7	63.2	63.6	63.6	65.2	65.2	65.8	67.7
IV 7000		42.7	50.7	52.9	56.5	58.1	60.0	60.7	60.7	63.2	63.9	63.9	65.8	65.8	66.5	68.7
IV 6000		42.7	50.7	52.9	56.5	58.1	60.0	60.7	60.7	63.2	63.9	63.9	65.8	65.8	66.5	68.7
IV 5000		43.6	51.9	54.5	58.1	59.7	61.6	62.3	62.3	64.8	65.5	65.5	67.4	67.4	68.1	70.7
IV 4500		44.4	53.6	56.1	60.1	61.9	63.9	64.9	64.9	67.1	67.7	67.7	69.7	69.7	70.3	72.6
IV 4000		45.2	54.5	57.1	61.3	62.9	64.8	65.5	65.5	69.1	69.7	69.7	71.6	71.6	72.3	74.5
IV 3500		46.1	55.9	58.1	62.3	63.9	65.8	66.5	66.5	69.7	69.7	69.7	71.6	71.6	72.3	74.5
IV 3000		47.7	58.1	60.7	64.8	66.5	68.4	69.7	69.7	71.6	72.3	72.3	74.2	74.2	74.8	77.1
IV 2500		48.4	59.4	61.9	66.8	68.4	70.3	71.3	71.7	73.6	74.2	74.2	76.1	76.1	76.8	79.1
IV 2000		49.7	60.3	62.9	68.1	70.0	72.3	72.9	72.9	75.5	76.1	76.1	78.1	78.1	78.7	81.0
IV 1800		48.7	60.3	62.9	68.1	70.3	72.6	73.2	73.2	75.8	76.5	76.5	78.4	78.4	79.1	81.3
IV 1500		49.7	61.9	64.8	70.1	72.6	74.8	75.8	75.8	78.4	79.2	79.2	81.0	81.0	81.6	83.9
IV 1200		50.1	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 1000		50.1	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 900		50.1	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 800		50.1	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 700		50.1	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 600		50.1	62.3	65.2	70.7	72.9	75.2	76.1	76.1	78.7	79.4	79.4	81.3	81.3	81.9	84.2
IV 500		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	92.3
IV 400		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	92.3
IV 300		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	92.3
IV 200		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	92.3
IV 100		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	92.3
IV 0		51.3	64.8	69.4	75.0	78.4	81.6	82.6	82.6	85.2	86.1	86.1	88.7	88.7	89.4	92.3

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME

75-17

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.7	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	52.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	52.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	52.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	53.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	57.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	57.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000	61.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	61.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 6000	62.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	63.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	63.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	66.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3500	66.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3000	66.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 2500	70.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	70.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	71.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	71.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1200	71.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1000	71.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 900	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 800	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 700	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 600	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 500	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 400	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 300	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 200	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 100	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 0	75.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2

TOTAL NUMBER OF OBSERVATIONS

315

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS LL & T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	48.7	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 16000	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 14000	57.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 7000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 5000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4500	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3500	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2500	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 2000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1800	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1500	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1200	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 1000	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 900	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 800	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 700	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 600	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 500	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 400	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 300	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 200	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 100	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 0	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



AD A14.0 438

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
BEAUFORT SOUTH CAROLINA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

34

UPPER LAMBERT 160

**FIG 4/2**

NL

A 10x10 grid of squares, with the top-left square missing.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
93301

STATION NAME  
BEAUFORT, SC

YEAR  
73-82

MONTH  
MAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	60.0	60.7	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 16000	60.0	60.7	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 14000	61.3	61.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	61.3	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 10000	64.8	66.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	64.8	66.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	67.4	68.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 7000	68.7	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 6000	69.7	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 5000	70.0	71.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500	71.0	72.6	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4000	71.3	73.2	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3500	72.3	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	73.6	74.6	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	75.2	74.6	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2000	76.8	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1800	78.7	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1600	80.0	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1500	80.7	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1200	81.3	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1000	82.3	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 900	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 800	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 700	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 600	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 500	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 400	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 300	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 200	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 100	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 0	83.2	75.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93891  
STATION

SEAFOOT, SC  
STATION NAME

73-82  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
18000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
16000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
14000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
12000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
10000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
9000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
8000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
7000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
6000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
5000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
4500	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
4000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
3500	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
3000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2500	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1800	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1500	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1200	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1000	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
900	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
800	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
700	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
600	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
500	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
400	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
300	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
200	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
100	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
0	48.2	49.2	49.2	50.2	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1

TOTAL NUMBER OF OBSERVATIONS 109

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

73071  
STATIONDF4 FORT, SC  
STATION NAME73-52  
YEARSMAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		54.4	55.4	67.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000		61.0	60.8	66.5	67.4	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000		61.0	64.8	66.8	67.4	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000		61.0	64.8	66.5	67.4	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 14000		61.0	65.2	66.8	67.7	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000		61.0	65.2	67.4	68.4	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 10000		64.0	69.7	70.3	71.3	71.6	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000		65.2	69.7	70.7	71.9	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000		69.7	74.2	75.8	77.1	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000		70.3	74.8	76.5	77.7	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000		71.0	75.3	77.1	78.7	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 5000		71.0	75.3	77.1	79.7	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500		71.0	75.3	77.7	79.7	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000		71.0	76.8	78.7	80.7	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500		72.6	77.7	79.7	81.6	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000		73.9	79.0	81.3	83.2	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500		74.5	80.3	82.6	84.8	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000		75.2	82.3	85.5	88.1	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800		75.2	82.3	85.5	88.1	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500		76.1	83.9	86.1	91.3	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200		76.5	84.2	88.4	91.9	92.3	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000		76.6	84.8	89.0	92.6	92.9	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900		76.6	84.8	89.4	93.2	93.9	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800		76.6	84.8	89.4	93.2	93.9	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700		76.6	85.2	90.0	93.9	94.5	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600		77.1	85.5	90.3	94.5	95.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500		77.4	86.5	91.6	95.8	96.5	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400		77.4	86.5	91.9	96.1	97.1	98.1	98.0	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 300		77.4	86.5	91.9	96.1	97.1	98.1	98.0	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 200		77.4	86.5	91.9	96.1	97.1	98.1	98.0	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 100		77.4	86.5	91.9	96.1	97.1	98.0	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 0		77.4	86.5	91.9	96.1	97.1	98.0	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97831STATION NAME  
BEAUFORT, SCYEARS  
73-82MONTH  
MARPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.7	48.1	49.7	50.7	51.1	51.6	51.6	51.6	52.3	52.3	52.0	52.2	52.2	52.3	52.4
≥ 20000		53.2	56.7	57.9	59.3	59.8	60.1	60.1	60.1	60.5	60.6	60.6	60.6	60.6	60.9	61.1
IN 18000		53.3	56.9	58.1	59.4	59.7	60.2	60.2	60.2	60.6	60.7	60.7	60.7	60.9	61.0	61.2
IN 16000		53.3	55.7	58.1	59.4	59.7	60.2	60.2	60.2	60.6	60.7	60.7	60.7	60.9	61.0	61.2
IN 14000		54.0	57.6	58.8	60.2	60.4	61.0	61.0	61.0	61.4	61.5	61.5	61.7	61.7	61.8	62.0
IN 12000		54.7	58.4	59.8	61.2	61.5	62.0	62.0	62.0	62.5	62.5	62.5	62.8	62.8	62.9	63.1
IN 10000		56.9	61.1	62.5	64.0	64.3	64.8	64.9	64.9	65.3	65.4	65.4	65.6	65.6	65.7	65.9
IN 9000		57.0	61.2	62.7	64.3	64.5	65.1	65.1	65.1	65.6	65.6	65.6	65.8	65.8	65.9	66.2
IN 8000		60.3	65.7	67.3	68.9	69.3	70.0	70.0	70.3	70.5	70.6	70.6	70.8	70.8	70.9	71.1
IN 7000		61.3	66.2	68.0	69.6	70.0	70.7	72.8	72.8	73.2	73.3	73.3	73.5	73.5	73.6	73.9
IN 6000		61.7	66.4	68.5	70.3	70.7	71.3	71.4	71.4	71.9	72.0	72.0	72.3	72.3	72.3	72.6
IN 5000		62.4	67.8	69.7	71.6	72.0	72.6	72.7	72.7	73.2	73.3	73.3	73.5	73.5	73.6	73.9
IN 4500		63.5	69.4	70.9	72.4	73.3	74.0	74.1	74.1	74.6	74.7	74.7	75.0	75.0	75.0	75.3
IN 4000		64.3	69.7	71.9	73.9	74.3	75.0	75.1	75.1	75.6	75.6	75.6	75.9	75.9	76.0	76.3
IN 3500		64.9	70.7	72.9	75.0	75.4	76.1	76.2	76.2	76.6	76.7	76.7	77.0	77.0	77.1	77.4
IN 3000		67.2	73.5	76.2	78.3	78.7	79.4	79.6	79.6	80.1	80.2	80.2	80.4	80.4	80.5	80.8
IN 2500		68.2	75.3	78.1	80.2	80.7	81.5	81.7	81.7	82.2	82.3	82.3	82.5	82.5	82.6	82.9
IN 2000		69.1	76.9	79.8	82.1	82.6	83.5	83.7	83.7	84.2	84.3	84.3	84.6	84.6	84.6	84.9
IN 1800		69.1	77.0	80.0	82.3	82.8	83.7	83.9	83.9	84.4	84.5	84.5	84.8	84.8	84.8	85.1
IN 1500		70.2	78.5	82.0	84.6	85.1	86.2	86.3	86.3	86.9	86.9	86.9	87.2	87.2	87.3	87.6
IN 1200		70.4	79.0	82.6	85.4	85.9	87.0	87.2	87.2	87.7	87.8	87.8	88.1	88.1	88.1	88.4
IN 1000		71.3	80.2	84.2	87.1	87.7	89.3	89.2	89.2	89.7	89.8	89.8	90.0	90.0	90.1	90.4
IN 900		71.4	80.5	84.6	87.7	88.3	89.6	89.8	89.8	90.3	90.4	90.4	90.7	90.7	90.8	91.0
IN 800		71.4	80.7	84.9	88.2	88.9	90.2	90.4	90.4	90.9	91.0	91.0	91.3	91.3	91.4	91.7
IN 700		71.7	81.2	85.7	89.1	89.9	91.4	91.5	91.5	92.1	92.2	92.2	92.5	92.5	92.6	92.9
IN 600		71.9	81.6	86.0	89.8	90.7	92.3	92.5	92.5	93.1	93.2	93.2	93.5	93.5	93.6	93.9
IN 500		72.2	82.1	87.1	90.7	91.8	93.5	93.8	93.8	94.4	94.6	94.6	95.0	95.0	95.1	95.4
IN 400		72.3	82.3	87.5	91.3	92.6	94.8	95.3	95.3	96.1	96.3	96.3	96.7	96.7	96.8	97.2
IN 300		72.3	82.3	87.5	91.3	92.9	95.2	96.0	96.0	96.9	97.1	97.1	97.5	97.5	97.7	98.1
IN 200		72.3	82.3	87.5	91.3	93.0	95.3	96.1	96.1	97.2	97.3	97.3	98.1	98.1	98.3	98.8
IN 100		72.3	82.3	87.5	91.3	93.0	95.4	96.1	96.1	97.3	97.6	97.6	98.4	98.4	98.8	99.6
IN 0		72.3	82.3	87.5	91.3	93.0	95.4	96.1	96.1	97.3	97.6	97.6	98.4	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2979

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97831  
STATION

WFAIRPORT, SC  
STATION NAME

73-92  
YEARS

APP  
MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		64.7	63.3	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000		68.3	72.3	78.7	78.7	79.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
NV 18000		68.3	72.7	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
NV 16000		68.3	72.7	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
NV 14000		68.3	72.7	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
NV 12000		68.3	73.3	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
NV 10000		73.0	77.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
NV 9000		73.0	77.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
NV 8000		75.3	80.7	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
NV 7000		76.3	81.7	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
NV 6000		76.7	82.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
NV 5000		77.7	83.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
NV 4500		78.3	84.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
NV 4000		78.3	84.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
NV 3500		79.3	85.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
NV 3000		79.7	86.0	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
NV 2500		80.7	86.3	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
NV 2000		80.3	86.7	91.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
NV 1800		80.3	86.7	91.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
NV 1500		81.0	87.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
NV 1200		81.7	88.0	93.0	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
NV 1000		82.0	88.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
NV 900		82.0	88.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
NV 800		82.3	89.0	95.0	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
NV 700		82.3	89.0	95.0	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
NV 600		82.3	89.0	95.0	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
NV 500		82.3	89.3	96.0	96.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
NV 400		82.3	89.3	96.0	96.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
NV 300		82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
NV 200		82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
NV 100		82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
NV 0		82.3	89.3	96.3	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93572

REDFORT, SC

73-82

APD

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		58.0	64.7	67.7	68.7	68.7	69.0	69.0	69.0	69.3	69.3	69.3	70.0	70.0	77.3	77.3
≥ 20000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
≥ 18000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
≥ 16000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
≥ 14000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
≥ 12000		62.7	70.0	73.7	75.0	75.0	75.3	75.3	75.3	75.7	75.7	75.7	76.3	76.3	76.7	76.7
≥ 10000		64.3	72.0	76.0	77.3	77.3	77.7	77.7	77.7	78.0	78.0	78.0	79.7	79.7	79.7	79.7
≥ 9000		64.3	72.0	76.0	77.3	77.3	77.7	77.7	77.7	78.0	78.0	78.0	79.7	79.7	79.7	79.7
≥ 8000		65.7	74.0	78.0	79.3	79.3	80.0	80.0	80.0	80.3	80.3	80.3	81.0	81.0	81.3	81.3
≥ 7000		67.0	75.3	79.3	80.7	80.7	81.3	81.3	81.3	81.7	81.7	81.7	82.3	82.3	82.7	82.7
≥ 6000		67.3	75.7	79.7	81.0	81.0	81.7	81.7	81.7	82.0	82.0	82.0	82.7	82.7	83.0	83.0
≥ 5000		67.3	76.3	80.7	82.0	82.0	82.7	82.7	82.7	83.0	83.0	83.0	83.7	83.7	84.0	84.0
≥ 4500		68.3	77.3	81.7	83.0	83.0	83.7	83.7	83.7	84.0	84.0	84.0	84.7	84.7	85.0	85.0
≥ 4000		69.0	78.0	82.3	83.7	83.7	84.7	84.7	84.7	85.0	85.0	85.0	85.7	85.7	86.0	86.0
≥ 3500		69.3	78.3	82.7	84.0	84.0	85.0	85.0	85.0	85.3	85.3	85.3	86.0	86.0	86.3	86.3
≥ 3000		71.0	80.3	85.3	86.7	86.7	87.7	87.7	87.7	88.0	88.0	88.0	88.7	88.7	89.0	89.0
≥ 2500		72.0	81.3	86.7	88.0	88.0	89.3	89.3	89.3	89.7	89.7	89.7	90.3	90.3	90.7	90.7
≥ 2000		72.7	82.0	87.7	89.0	89.0	90.0	90.0	90.0	90.3	90.3	90.3	91.0	91.0	91.7	91.7
≥ 1800		72.7	82.0	87.7	89.0	89.0	90.0	90.0	90.0	90.3	90.3	90.3	91.0	91.0	91.7	91.7
≥ 1500		73.0	82.7	88.7	90.0	90.0	91.0	91.0	91.0	91.3	91.3	91.3	92.0	92.0	92.3	92.3
≥ 1200		73.7	83.3	89.3	91.0	91.0	92.0	92.0	92.0	92.3	92.3	92.3	93.0	93.0	93.3	93.3
≥ 1000		73.7	83.7	90.3	92.3	92.3	93.7	93.7	94.0	94.0	94.0	94.0	94.7	94.7	95.0	95.0
≥ 900		73.7	84.0	90.7	92.7	92.7	94.0	94.0	94.3	94.3	94.3	94.3	95.0	95.0	95.3	95.3
≥ 800		73.7	84.3	91.0	93.0	93.0	94.3	94.3	94.7	94.7	94.7	94.7	95.3	95.3	95.7	95.7
≥ 700		73.7	84.7	91.3	93.3	93.3	94.7	94.7	95.0	95.0	95.0	95.0	95.7	95.7	96.0	96.0
≥ 600		73.7	84.7	91.3	93.3	93.3	94.7	94.7	95.0	95.0	95.3	95.3	96.0	96.0	96.3	96.3
≥ 500		73.7	85.0	92.0	94.0	94.0	95.7	95.7	96.0	96.0	96.3	96.3	97.0	97.0	97.3	97.3
≥ 400		73.7	85.0	92.0	94.0	94.0	95.7	95.7	96.0	96.0	96.3	96.3	97.0	97.0	97.3	97.3
≥ 300		73.7	85.0	92.0	94.0	94.0	95.7	95.7	96.0	96.0	96.3	96.3	97.0	97.0	97.3	97.3
≥ 200		73.7	85.0	92.0	94.0	94.0	95.7	95.7	96.0	96.0	96.3	96.3	97.0	97.0	97.3	97.3
≥ 100		73.7	85.0	92.0	94.0	94.0	95.7	95.7	96.0	96.0	96.3	96.3	97.0	97.0	97.3	97.3
≥ 0		73.7	85.0	92.0	94.0	94.0	95.7	95.7	96.0	96.0	96.3	96.3	97.0	97.0	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

97471

BEAUFORT, SC

73-82

APU

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

07

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING	40.0	46.3	49.0	52.3	52.3	53.0	53.0	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.3	54.7
≥ 20000	49.3	57.0	60.3	64.3	64.3	65.3	65.3	66.0	66.0	66.0	66.0	66.3	66.3	66.3	66.7	67.3
IV 18000	49.7	57.3	60.7	64.7	64.7	65.7	65.7	66.3	66.3	66.3	66.3	66.7	66.7	66.7	67.0	67.3
IV 16000	49.7	57.3	60.7	64.7	64.7	65.7	65.7	66.3	66.3	66.3	66.3	66.7	66.7	66.7	67.0	67.3
IV 14000	50.0	57.7	61.0	65.0	65.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	67.0	67.0	67.3	67.7
IV 12000	50.3	58.0	61.7	65.7	65.7	66.7	66.7	66.7	66.7	67.3	67.3	67.3	67.7	67.7	68.0	68.3
IV 10000	54.7	62.7	67.0	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.7	73.7	73.7	74.0	74.3
IV 9000	55.0	63.0	67.3	71.7	71.7	73.0	73.0	73.0	73.7	73.7	73.7	74.0	74.0	74.0	74.3	74.7
IV 8000	58.7	67.0	71.3	75.7	75.7	77.0	77.0	77.0	77.7	77.7	77.7	78.0	78.0	78.0	78.3	79.0
IV 7000	59.7	68.0	72.7	77.0	77.0	78.3	78.3	78.3	79.0	79.0	79.0	79.3	79.3	79.3	79.7	80.3
IV 6000	60.3	69.0	73.7	78.0	78.0	79.3	79.3	79.3	80.0	80.0	80.0	80.3	80.3	80.3	80.7	81.3
IV 5000	61.7	69.7	74.3	79.0	79.0	80.3	80.3	80.3	81.0	81.0	81.0	81.3	81.3	81.3	81.7	82.3
IV 4500	61.7	67.7	74.7	79.3	79.3	80.7	80.7	80.7	81.3	81.3	81.3	81.7	81.7	81.7	82.0	82.7
IV 4000	61.7	70.3	75.7	80.3	80.3	82.0	82.0	82.0	82.7	82.7	82.7	83.0	83.0	83.0	83.3	84.0
IV 3500	62.0	70.7	76.0	80.7	81.0	82.3	82.3	82.3	83.0	83.0	83.0	83.3	83.3	83.3	83.7	84.3
IV 3000	63.0	72.7	76.0	82.7	83.0	84.3	84.3	84.3	85.0	85.0	85.0	85.3	85.3	85.3	85.7	86.3
IV 2500	65.0	74.7	80.0	84.7	85.0	86.3	86.3	86.3	87.0	87.0	87.0	87.3	87.3	87.3	87.7	88.3
IV 2000	65.0	74.7	80.0	84.7	85.0	86.3	86.3	86.3	87.0	87.0	87.0	87.3	87.3	87.3	87.7	88.3
IV 1800	65.0	74.7	80.3	85.0	85.3	86.7	86.7	86.7	87.3	87.3	87.3	87.7	87.7	87.7	88.0	88.7
IV 1500	65.7	75.7	81.7	86.3	86.7	88.0	88.3	88.3	89.0	89.0	89.0	89.3	89.3	89.3	89.7	90.3
IV 1200	66.0	76.3	82.3	87.3	87.7	89.0	89.3	89.3	90.0	90.0	90.0	90.3	90.3	90.3	90.7	91.3
IV 1000	66.7	77.0	83.3	88.7	89.0	91.0	91.3	91.3	92.0	92.0	92.0	92.3	92.3	92.3	92.7	93.7
IV 900	67.0	77.3	83.7	89.0	89.3	91.3	91.7	91.7	92.3	92.3	92.3	92.7	92.7	92.7	93.0	94.0
IV 800	67.0	77.3	83.7	89.0	89.3	91.7	92.0	92.0	92.7	92.7	92.7	93.0	93.0	93.0	93.7	94.7
IV 700	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	93.7	94.0	95.3
IV 600	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	93.7	94.0	95.7
IV 500	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	93.7	94.0	95.7
IV 400	67.0	77.7	84.0	89.3	89.7	92.3	92.7	92.7	93.3	93.3	93.3	93.7	93.7	93.7	94.0	95.7
IV 300	67.0	77.7	84.3	89.7	90.3	93.0	93.7	93.7	94.3	94.3	94.3	94.7	94.7	94.7	95.0	96.3
IV 200	67.0	77.7	84.7	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	95.0	95.0	95.0	95.3	96.3
IV 100	67.0	77.7	84.7	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	95.0	95.0	95.0	95.3	96.3
IV 0	67.0	77.7	84.7	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	95.0	95.0	95.0	95.3	96.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
93833

STATION NAME  
BEAUFORT, SC

YEARS  
73-92

MONTH  
APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)  
10

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		54.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 20000		64.3	65.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000		64.3	64.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000		65.0	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000		45.0	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000		65.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000		68.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000		68.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000		71.0	71.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000		72.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000		72.0	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000		72.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500		73.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000		75.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500		75.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000		79.7	81.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500		82.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000		84.0	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800		84.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500		86.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200		86.3	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000		88.0	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900		88.0	94.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800		88.0	94.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700		88.3	94.3	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600		88.3	94.3	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500		88.3	94.3	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400		88.3	94.3	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300		88.3	94.3	95.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200		88.3	94.3	95.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100		88.3	94.3	95.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0		88.3	94.3	95.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DEAFORD, SC

STATION NAME

73-02

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 12000	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1800	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1600	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1400	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 200	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.3	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	57.3	68.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000	67.7	68.3	69.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	67.7	69.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	71.7	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 7000	76.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 6000	77.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	78.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	78.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	80.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	81.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	87.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	88.3	90.3	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	90.0	92.0	93.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	90.0	92.0	93.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	92.3	94.3	95.3	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	92.3	95.3	96.3	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	92.3	95.3	96.3	97.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	92.3	95.3	96.3	97.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

NOA FORT, SC

STATION NAME

75-77

YEARS

APR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		54.7	56.3	56.7	56.7	56.7	56.7	54.7	56.7	56.7	56.7	56.7	54.7	56.7	56.7	56.7
≥ 20000		70.0	72.7	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
18000		70.0	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
16000		71.0	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
14000		71.0	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
12000		72.0	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
10000		75.0	75.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
9000		75.0	73.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8000		78.7	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
7000		79.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
6000		79.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
5000		81.0	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
4500		81.0	85.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
4000		82.0	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
3500		83.3	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3000		84.7	89.0	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2500		85.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2000		86.3	91.3	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1800		86.3	91.7	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1500		87.0	92.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
1200		87.0	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
1000		87.0	93.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
900		87.3	94.0	95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
800		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
700		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
500		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
400		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
300		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
200		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
100		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0		87.7	94.3	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1960 MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS: 12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1500	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1200	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1000	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 900	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 800	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 700	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 600	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 500	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 400	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 300	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 200	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 100	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 0	75.0	73.7	73.7	74.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

20971  
STATION

SEA FORT, SC  
STATION NAME

71-12  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		56.5	56.4	60.6	61.2	61.2	61.3	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.7	61.7
IV 20000		55.7	60.2	70.7	71.4	71.4	71.5	71.6	71.6	71.8	71.8	71.8	71.9	71.9	72.0	72.0
IV 18000		66.0	69.9	71.0	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.3	72.3
IV 16000		66.1	69.6	71.1	71.9	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.4	72.5
IV 14000		66.3	69.9	71.4	72.1	72.1	72.3	72.3	72.3	72.5	72.5	72.5	72.6	72.6	72.7	72.7
IV 12000		67.3	70.9	72.3	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.6	73.6
IV 10000		69.5	73.4	75.0	75.8	75.8	76.1	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.4	76.5
IV 9000		69.6	73.5	75.1	75.9	75.9	76.2	76.2	76.2	76.3	76.3	76.3	76.5	76.5	76.5	76.6
IV 8000		72.1	75.8	78.2	79.0	79.0	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.7
IV 7000		73.4	77.8	79.5	80.3	80.3	80.6	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.9	81.0
IV 6000		73.6	78.2	79.9	80.7	80.7	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.4
IV 5000		74.4	79.0	80.8	81.7	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.3	82.3	82.3	82.4
IV 4500		75.0	79.4	81.5	82.3	82.3	82.6	82.6	82.6	82.8	82.8	82.8	82.9	82.9	83.0	83.0
IV 4000		76.0	80.7	82.7	83.5	83.5	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.3	84.4
IV 3500		76.6	81.3	83.3	84.1	84.2	84.5	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.9	85.0
IV 3000		79.0	84.2	86.3	87.3	87.4	87.7	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.1	88.2
IV 2500		80.8	86.5	88.3	89.3	89.4	89.8	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.2	90.3
IV 2000		81.5	87.1	89.6	90.6	90.6	91.2	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.7	91.8
IV 1800		81.5	87.2	89.7	90.7	90.9	91.3	91.4	91.4	91.4	91.6	91.6	91.7	91.7	91.8	91.9
IV 1500		82.6	88.6	91.5	92.6	92.8	93.3	93.4	93.5	93.7	93.7	93.7	93.8	93.8	93.9	94.0
IV 1200		83.1	89.2	92.1	93.4	93.6	94.2	94.2	94.3	94.5	94.5	94.5	94.7	94.7	94.8	94.8
IV 1000		83.7	90.0	93.2	94.8	95.0	95.8	95.9	96.0	96.2	96.2	96.2	96.4	96.4	96.5	96.6
IV 900		83.8	90.2	93.4	95.0	95.3	96.0	96.2	96.3	96.5	96.5	96.5	96.7	96.7	96.8	96.9
IV 800		83.8	90.4	93.6	95.3	95.5	96.4	96.5	96.6	96.9	96.9	96.9	97.1	97.1	97.2	97.3
IV 700		83.9	90.5	93.8	95.5	95.8	96.6	96.8	96.8	97.2	97.2	97.2	97.3	97.3	97.5	97.6
IV 600		83.9	90.5	93.9	95.7	96.0	97.0	97.3	97.3	97.6	97.6	97.6	97.8	97.8	98.0	98.1
IV 500		83.9	90.6	94.1	95.9	96.2	97.3	97.6	97.7	98.2	98.2	98.2	98.4	98.5	98.6	98.7
IV 400		83.9	90.7	94.3	96.0	96.4	97.5	97.9	97.9	98.5	98.5	98.5	98.8	98.9	99.0	99.1
IV 300		83.9	90.7	94.3	96.2	96.6	97.7	98.3	98.3	98.9	99.0	99.0	99.2	99.3	99.4	99.5
IV 200		83.9	90.7	94.4	96.3	96.6	97.7	98.3	98.3	99.0	99.1	99.1	99.3	99.4	99.5	99.7
IV 100		83.9	90.7	94.4	96.3	96.6	97.7	98.3	98.3	99.0	99.1	99.1	99.4	99.5	99.7	100.0
IV 0		83.9	90.7	94.4	96.3	96.6	97.7	98.3	98.3	99.0	99.1	99.1	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

93871  
STATIONREAR FORT, SC  
STATION NAME73-92  
YEARSMAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		55.5	62.9	65.5	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000		61.9	69.7	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
IV 18000		61.9	69.7	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
IV 16000		61.9	69.7	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
IV 14000		62.3	70.0	72.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5
IV 12000		62.6	70.3	72.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8	74.8	74.8
IV 10000		64.4	73.2	75.8	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7	78.1
IV 9000		64.8	73.6	76.2	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.4	78.4	78.7
IV 8000		67.4	76.4	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.9	81.9	82.3
IV 7000		68.1	77.1	80.7	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.6	82.9
IV 6000		68.4	77.4	81.0	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9	83.2
IV 5000		69.4	78.4	81.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
IV 4500		69.4	78.4	81.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
IV 4000		69.4	78.4	81.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
IV 3500		69.7	79.0	82.9	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8	84.8	85.2
IV 3000		71.3	81.6	85.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7	88.1
IV 2500		72.6	82.9	87.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7	90.0
IV 2000		73.9	84.2	88.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.6
IV 1800		73.9	84.2	88.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.6
IV 1500		74.2	85.5	90.3	91.9	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.6
IV 1200		75.2	86.5	91.3	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.8
IV 1000		75.2	87.7	92.6	94.2	94.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.5
IV 900		75.2	87.7	92.6	94.2	94.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1	96.5
IV 800		75.2	88.1	92.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.8
IV 700		75.2	88.1	92.9	94.5	94.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.8
IV 600		75.2	88.1	93.2	95.2	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1	97.4
IV 500		75.2	88.4	93.9	95.8	95.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.3
IV 400		75.2	88.7	94.2	96.1	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IV 300		75.2	88.7	94.2	96.1	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IV 200		75.2	88.7	94.2	96.1	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IV 100		75.2	88.7	94.2	96.1	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0
IV 0		75.2	88.7	94.2	96.1	96.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

98331  
STATIONBEAUFORT, SC  
STATION NAME73-82  
YEARMAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)74  
HOURS (L O Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	42.3	55.5	62.6	66.1	66.8	67.7	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.7	69.2
≥ 20000	46.8	61.6	67.7	71.6	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.8	75.2
IV 18000	46.8	61.6	67.7	71.6	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.8	75.2
IV 16000	46.8	61.6	67.7	71.6	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.8	75.2
IV 14000	47.1	61.6	68.1	71.6	72.9	74.2	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	75.2	75.5
IV 12000	47.7	63.2	69.7	73.4	74.5	75.8	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.8	77.1
IV 10000	48.7	64.5	71.0	75.2	76.1	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.4	78.7
IV 9000	49.7	65.2	71.6	75.8	76.8	78.1	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.4
IV 8000	51.3	68.4	75.2	79.4	80.3	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9
IV 7000	51.9	69.0	75.8	80.0	81.0	82.3	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.6
IV 6000	51.9	69.0	75.8	80.0	81.0	82.3	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.6
IV 5000	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IV 4500	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IV 4000	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IV 3500	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IV 3000	52.4	70.0	76.8	81.0	81.9	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IV 2500	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 2000	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 1800	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 1600	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 1400	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 1200	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 1000	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 900	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 800	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 700	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 600	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 500	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 400	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 300	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 200	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 100	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5
IV 0	53.2	71.3	77.1	81.6	82.6	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	85.2	85.5

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
57931STATION NAME  
REARFOOT, SCYEARS  
73-82MONTH  
MAYPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	33.4	41.0	44.4	50.3	52.6	53.2	53.2	53.6	53.9	54.5	54.5	54.8	54.8	54.8	54.8	55.2
≥ 20000	40.3	44.4	57.7	60.0	62.3	62.9	62.9	63.2	63.9	64.5	64.5	64.8	64.8	64.8	64.8	65.2
IV 18000	41.0	50.0	56.4	67.7	62.9	63.6	63.6	63.9	64.5	65.2	65.2	65.3	65.3	65.3	65.3	65.8
IV 14000	41.0	50.0	58.4	60.7	62.9	63.6	63.6	63.9	64.5	65.2	65.2	65.3	65.3	65.3	65.3	65.8
IV 14000	41.0	50.0	56.7	61.0	63.2	63.9	63.9	64.2	64.8	65.5	65.5	65.8	65.8	65.8	65.8	66.1
IV 12000	43.2	52.3	61.0	63.2	65.5	66.1	66.1	66.5	67.1	67.7	67.7	68.1	68.1	68.1	68.1	68.4
IV 10000	45.2	54.8	64.5	63.1	70.3	71.0	71.0	71.3	71.9	72.6	72.6	72.9	72.9	72.9	72.9	73.2
IV 9000	43.2	55.2	64.8	68.4	70.7	71.3	71.3	71.6	72.3	72.9	72.9	73.2	73.2	73.2	73.2	73.6
IV 8000	44.7	59.4	69.0	72.6	74.8	75.5	75.5	75.8	76.5	77.1	77.1	77.4	77.4	77.4	77.4	78.1
IV 7000	49.4	60.7	70.7	74.2	76.5	77.1	77.1	77.4	78.1	78.7	78.7	79.0	79.0	79.0	79.0	79.7
IV 6000	49.4	60.7	70.7	74.2	76.8	77.4	77.4	77.7	78.4	79.0	79.0	79.4	79.4	79.4	79.4	80.0
IV 5000	49.4	61.0	71.0	74.8	77.4	78.1	78.1	78.4	79.0	79.7	79.7	80.0	80.0	80.0	80.0	80.7
IV 4500	50.3	61.9	71.9	75.8	78.4	79.4	79.4	79.7	80.3	81.0	81.0	81.3	81.3	81.3	81.3	81.9
IV 4000	50.7	62.6	72.6	76.5	79.0	80.0	80.0	80.3	81.0	81.6	81.6	81.9	81.9	81.9	81.9	82.6
IV 3500	51.0	62.9	72.9	76.8	79.4	80.3	80.3	80.7	81.3	81.9	81.9	82.3	82.3	82.3	82.3	82.9
IV 3000	52.6	65.2	75.2	79.4	82.3	83.2	83.2	83.6	84.2	84.8	84.8	85.2	85.2	85.2	85.2	85.8
IV 2500	52.6	65.2	75.8	80.0	83.2	84.2	84.2	84.5	85.2	85.8	85.8	86.1	86.1	86.1	86.1	86.8
IV 2000	53.2	65.8	76.8	81.0	84.2	85.2	85.2	85.5	86.1	87.1	87.1	87.4	87.4	87.4	87.4	88.1
IV 1800	53.2	65.8	76.8	81.0	84.2	85.2	85.2	85.5	86.1	87.1	87.1	87.4	87.4	87.4	87.4	88.1
IV 1500	55.2	68.1	79.4	83.6	86.8	87.7	87.7	88.1	88.7	89.7	89.7	90.0	90.0	90.0	90.0	90.7
IV 1200	55.2	68.1	79.4	83.6	87.1	88.1	88.1	88.4	89.0	90.3	90.3	90.7	90.7	90.7	90.7	91.3
IV 1000	56.8	70.0	81.3	86.1	89.7	90.7	90.7	91.0	91.6	92.9	92.9	93.2	93.2	93.2	93.2	93.9
IV 900	57.1	70.7	82.3	87.4	91.0	91.9	91.9	92.3	92.9	94.2	94.2	94.5	94.5	94.5	94.5	95.2
IV 800	57.4	71.0	83.2	88.4	91.9	92.9	92.9	93.2	93.9	95.2	95.2	95.5	95.5	95.5	95.5	96.1
IV 700	57.4	71.0	83.2	88.4	92.3	93.2	93.2	93.6	94.2	95.5	95.5	95.8	95.8	95.8	95.8	96.5
IV 600	57.7	71.4	84.2	89.7	93.9	94.8	94.8	95.2	95.8	97.1	97.1	97.4	97.4	97.4	97.4	98.1
IV 500	57.7	71.4	84.2	89.7	93.9	95.2	95.2	95.5	96.1	97.7	97.7	98.1	98.1	98.1	98.1	98.7
IV 400	57.7	71.4	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	99.7
IV 300	57.7	71.4	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	99.7
IV 200	57.7	71.4	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	99.7
IV 100	57.7	71.4	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	99.7
IV 0	57.7	71.4	84.2	90.0	94.5	95.8	95.8	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	99.7

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
57301STATION NAME  
BRANDY, SC

73-82

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		44.3	46.3	46.8	46.9	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000		52.9	55.5	56.1	56.3	56.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000		53.2	55.8	56.5	56.5	56.5	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000		53.2	55.8	56.5	56.5	56.5	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000		53.9	56.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000		58.5	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000		58.4	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000		48.4	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000		63.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000		63.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000		63.2	66.5	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000		63.2	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500		64.5	67.7	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4000		65.5	68.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500		65.5	68.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000		70.3	74.2	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500		74.7	79.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000		77.1	82.3	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800		77.4	82.3	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500		91.0	87.4	89.4	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200		81.4	88.4	90.3	90.7	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000		88.2	91.1	93.2	93.9	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900		94.5	91.9	93.4	94.5	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800		94.5	92.4	94.8	95.5	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		95.2	93.6	95.8	97.1	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		95.2	93.6	96.1	97.4	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		95.2	93.6	96.5	97.7	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		95.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		95.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		95.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.5	93.9	96.8	98.1	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DEAN FORT, SC

STATION NAME

73-12

YEARS

WAV

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		15.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000		48.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 18000		48.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000		48.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000		48.4	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 12000		49.4	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000		52.7	55.9	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 8000		56.8	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000		56.8	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 6000		57.1	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 5000		58.4	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4500		59.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 4000		60.3	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3500		61.0	64.3	64.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3000		66.4	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500		75.4	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000		81.9	89.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800		91.9	89.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500		96.4	96.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200		96.4	96.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0		96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
03571

BEAUFORT, SC

STATION NAME

73-02

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000		55.5	59.1	52.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000		56.5	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000		56.5	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000		56.5	58.7	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000		59.4	61.8	61.9	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000		62.3	65.5	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000		62.3	65.5	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 8000		67.1	70.7	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000		68.4	71.7	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000		68.4	71.7	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000		69.4	72.9	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500		69.4	73.4	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000		71.8	75.5	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500		72.6	76.5	77.1	77.1	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000		77.1	81.9	82.9	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500		81.0	85.8	86.8	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000		84.5	90.1	91.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800		84.5	91.1	91.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500		87.1	94.8	96.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200		88.1	95.5	96.8	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000		88.1	95.5	96.8	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900		88.1	95.5	97.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800		88.4	95.8	97.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0		88.4	95.8	97.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97831  
STATION

REARFORT, SC  
STATION NAME

73-82  
YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
MOVES (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	44.4	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	62.1	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	42.1	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	62.1	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	62.1	67.1	67.1	67.1	67.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	69.2	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	66.5	72.6	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 9000	67.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 8000	71.9	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	72.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000	72.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	73.2	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	73.2	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	73.2	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	74.5	81.9	82.6	82.6	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	79.0	88.4	89.2	89.2	89.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	80.7	89.2	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	81.0	91.0	91.0	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	81.0	91.0	91.0	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	82.6	93.2	94.5	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	83.6	94.5	95.2	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	84.2	95.2	96.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

97471  
STATIONHFA, FORT, SC  
STATION NAME73-82  
YEARSMAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		57.1	64.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000		65.8	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 18000		65.8	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 16000		65.8	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000		66.1	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 12000		67.1	75.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 10000		69.1	78.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 9000		69.1	78.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000		72.1	82.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 7000		73.1	82.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 6000		73.1	83.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 5000		73.1	83.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4500		74.1	84.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4000		74.1	84.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500		75.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000		76.1	88.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500		77.1	89.1	91.0	91.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000		78.1	90.1	93.0	93.0	93.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800		78.1	90.1	93.0	93.0	93.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500		80.0	92.0	95.0	95.0	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200		80.0	92.0	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000		80.0	93.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900		80.0	93.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800		80.0	93.2	96.8	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700		80.0	93.2	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0		80.0	93.2	96.8	97.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

9301  
STATION

BEAUFORT, SC

STATION NAME

73-72

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L & N)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.3	50.5	52.7	53.6	54.0	54.2	54.2	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.6
≥ 20000		54.3	60.6	63.2	64.3	64.5	64.5	64.5	65.0	65.1	65.2	65.2	65.2	65.2	65.3	65.4
IV 18000		54.5	60.8	63.4	64.5	64.7	65.1	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.5	65.6
IV 16000		54.5	60.8	63.4	64.5	64.7	65.1	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.5	65.6
IV 14000		54.5	61.2	63.8	64.8	65.2	65.5	65.6	65.6	65.7	65.8	65.8	65.9	65.9	65.9	66.0
IV 12000		54.5	62.4	65.3	66.3	66.7	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.5	67.6
IV 10000		58.4	65.7	68.6	69.6	70.2	70.5	70.6	70.6	70.7	70.7	70.7	70.8	70.9	71.0	71.1
IV 9000		58.7	66.0	68.9	70.0	70.5	70.9	70.9	70.9	71.1	71.1	71.1	71.2	71.2	71.3	71.4
IV 8000		62.4	70.2	73.3	74.4	74.8	75.2	75.2	75.3	75.4	75.5	75.5	75.6	75.6	75.7	75.8
IV 7000		62.4	70.3	74.0	75.2	75.6	75.9	76.0	76.0	76.1	76.2	76.2	76.3	76.3	76.4	76.5
IV 6000		63.8	71.0	74.1	75.3	75.6	76.1	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.6	76.7
IV 5000		63.8	71.9	74.0	76.2	76.7	77.1	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.6	77.7
IV 4500		64.2	72.4	75.5	76.7	77.2	77.7	77.7	77.7	77.8	77.9	78.0	78.0	78.1	78.1	78.2
IV 4000		64.8	73.1	76.3	77.5	78.0	78.5	78.6	78.6	78.7	78.8	78.8	78.9	78.9	79.0	79.1
IV 3500		65.3	73.8	77.0	78.2	78.6	79.3	79.4	79.4	79.5	79.6	79.6	79.7	79.7	79.8	79.9
IV 3000		68.4	77.9	81.5	83.7	83.9	84.0	84.1	84.1	84.2	84.3	84.3	84.4	84.4	84.5	84.6
IV 2500		71.0	80.6	84.3	85.6	86.4	87.0	87.0	87.1	87.2	87.3	87.3	87.3	87.3	87.4	87.5
IV 2000		73.0	83.3	87.3	89.9	89.9	90.1	90.1	90.2	90.3	90.4	90.4	90.5	90.5	90.6	90.7
IV 1800		73.1	83.4	87.3	89.5	89.6	90.2	90.2	90.2	90.4	90.5	90.5	90.6	90.6	90.7	90.8
IV 1500		75.3	84.3	90.4	92.1	92.7	93.4	93.4	93.6	93.8	94.0	94.0	94.0	94.0	94.2	94.3
IV 1200		75.6	86.7	90.9	92.7	93.1	94.2	94.2	94.2	94.4	94.6	94.6	94.7	94.7	94.8	95.0
IV 1000		76.3	88.0	92.4	94.3	94.9	95.8	95.9	95.9	96.1	96.3	96.3	96.4	96.4	96.5	96.7
IV 900		76.3	88.2	92.4	94.5	95.2	96.1	96.2	96.2	96.3	96.6	96.6	96.7	96.7	96.8	97.0
IV 800		76.4	88.5	93.2	95.1	95.9	96.7	96.8	96.9	97.2	97.3	97.3	97.4	97.4	97.5	97.7
IV 700		76.5	88.7	93.4	95.5	96.1	97.2	97.3	97.3	97.7	97.9	97.9	97.9	97.9	98.1	98.2
IV 600		76.5	88.7	93.6	95.7	96.3	97.4	97.5	97.5	97.9	98.1	98.1	98.2	98.2	98.3	98.5
IV 500		76.6	89.4	94.0	96.2	97.0	98.0	98.1	98.1	98.6	98.7	98.7	98.8	98.8	98.9	99.1
IV 400		76.7	89.0	94.2	96.4	97.2	98.2	98.4	98.4	98.9	99.1	99.1	99.2	99.2	99.3	99.4
IV 300		76.7	89.0	94.2	96.4	97.3	98.3	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.6	99.8
IV 200		76.7	89.7	94.2	96.4	97.3	98.3	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.7	99.9
IV 100		76.7	89.0	94.2	96.4	97.3	98.3	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.7	100.0
IV 0		76.7	89.7	94.2	96.4	97.3	98.3	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7980

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

REARFORT, SC

STATION NAME

73-82

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	45.3	53.3	61.7	63.0	63.0	64.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	47.7	64.3	64.3	69.3	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 18000	49.7	64.3	68.0	69.3	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 16000	49.7	64.0	68.0	69.3	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 14000	50.0	64.3	68.3	69.7	69.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IN 12000	50.7	65.3	69.3	71.0	71.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IN 10000	51.3	66.7	71.3	73.0	73.0	74.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IN 9000	51.3	67.0	71.7	73.3	73.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IN 8000	53.3	74.0	79.3	81.0	81.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 7000	55.7	74.3	79.7	81.3	81.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IN 6000	56.3	75.0	80.3	82.0	82.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 5000	56.7	75.3	81.0	82.7	82.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IN 4500	57.0	75.7	81.3	83.0	83.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IN 4000	57.0	76.3	82.0	83.7	83.7	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IN 3500	57.0	77.0	82.7	84.3	84.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 3000	58.3	78.0	83.3	87.3	87.3	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 2500	58.3	79.3	85.7	87.7	87.7	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IN 2000	59.3	81.3	88.0	90.3	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 1800	59.3	81.3	88.0	90.3	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 1500	60.7	83.7	90.7	93.3	93.3	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IN 1200	60.7	84.0	91.0	94.0	94.0	95.7	95.7	95.7	95.7	96.3	96.0	96.0	96.0	96.0	96.0	96.0
IN 1000	62.0	86.0	93.3	96.3	96.3	98.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 900	62.0	86.0	93.3	96.3	96.3	98.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 800	62.0	86.3	93.7	96.7	96.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IN 700	62.0	86.3	93.7	96.7	96.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IN 600	62.3	86.7	94.0	97.0	97.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 500	62.3	87.0	94.3	97.3	97.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 400	62.3	87.0	94.7	97.7	97.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	62.3	87.0	94.7	97.7	97.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	62.3	87.0	94.7	97.7	97.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	62.3	87.0	94.7	97.7	97.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	62.3	87.0	94.7	97.7	97.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORT, SC

STATION NAME

77-07

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		17.7	55.3	60.3	64.7	65.3	66.7	66.7	66.7	67.0	67.0	67.0	67.3	67.3	67.3	67.7
≥ 20000		41.7	59.0	67.0	71.7	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000		41.7	59.0	67.0	71.7	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000		41.7	59.0	67.0	71.7	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000		41.7	59.0	67.0	71.7	72.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000		42.0	59.7	67.7	72.3	73.0	74.7	74.7	74.7	75.0	75.0	75.0	75.3	75.3	75.3	75.3
≥ 10000		43.0	63.3	71.7	76.7	77.3	79.0	79.0	79.0	79.3	79.3	79.3	79.7	79.7	79.7	79.7
≥ 9000		43.0	63.3	72.0	77.0	77.7	79.3	79.3	79.3	79.7	79.7	79.7	80.0	80.0	80.0	80.0
≥ 8000		48.0	67.7	77.0	82.3	83.0	84.7	84.7	84.7	85.0	85.0	85.0	85.3	85.3	85.3	85.3
≥ 7000		48.0	67.3	77.7	83.0	83.7	85.3	85.3	85.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0
≥ 6000		48.7	69.7	78.0	83.3	84.0	85.7	85.7	85.7	86.0	86.0	86.0	86.3	86.3	86.3	86.3
≥ 5000		48.7	69.7	78.0	83.3	84.0	85.7	85.7	85.7	86.0	86.0	86.0	86.3	86.3	86.3	86.3
≥ 4500		49.0	70.3	78.7	84.0	84.7	86.3	86.3	86.3	86.7	86.7	86.7	87.0	87.0	87.0	87.0
≥ 4000		49.3	70.7	79.0	84.3	85.0	86.7	86.7	86.7	87.0	87.0	87.0	87.3	87.3	87.3	87.3
≥ 3500		49.3	70.7	79.0	84.3	85.0	86.7	86.7	86.7	87.0	87.0	87.0	87.3	87.3	87.3	87.3
≥ 3000		49.3	71.3	79.7	85.0	85.7	87.3	87.3	87.3	87.7	87.7	87.7	88.0	88.0	88.0	88.0
≥ 2500		49.3	71.7	80.7	86.3	87.0	88.7	88.7	88.7	89.0	89.0	89.0	89.3	89.3	89.3	89.3
≥ 2000		50.3	73.3	83.0	88.7	89.3	91.0	91.0	91.0	91.3	91.3	91.3	91.7	91.7	91.7	91.7
≥ 1800		50.3	73.7	83.3	89.7	89.7	91.3	91.3	91.3	91.7	91.7	91.7	92.0	92.0	92.0	92.0
≥ 1500		51.0	75.0	85.0	91.7	91.7	93.3	93.3	93.3	93.7	93.7	93.7	94.0	94.0	94.0	94.0
≥ 1200		51.0	75.3	85.7	91.7	92.3	94.0	94.0	94.0	94.3	94.3	94.3	94.7	94.7	94.7	94.7
≥ 1000		51.0	75.3	86.0	92.3	93.3	95.0	95.0	95.0	95.3	95.3	95.3	95.7	95.7	95.7	95.7
≥ 900		51.0	75.3	86.3	92.7	93.7	95.3	95.3	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0
≥ 800		51.0	75.3	86.3	92.7	93.7	95.3	95.3	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0
≥ 700		51.0	75.7	87.0	93.3	94.3	96.0	96.3	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0
≥ 600		51.0	75.7	87.0	93.3	94.3	96.0	96.3	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0
≥ 500		51.0	76.3	87.7	94.0	95.0	96.7	97.0	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7
≥ 400		51.0	76.3	87.7	94.0	95.0	96.7	97.0	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7
≥ 300		51.0	76.3	88.0	94.3	95.3	97.0	97.7	97.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3
≥ 200		51.0	76.7	88.3	94.7	95.7	97.3	98.0	98.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7
≥ 100		51.0	76.7	88.3	94.7	95.7	97.3	98.0	98.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7
≥ 0		51.0	76.7	88.3	94.7	95.7	97.3	98.0	98.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97301STATION NAME  
MTA FORT, SCYEARS  
19-20MONTH  
JULPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		71.7	43.7	51.3	51.3	51.7	52.7	53.0	53.0	53.3	53.2	53.3	53.7	53.7	53.7	53.7
≥ 20000		36.7	51.3	59.3	59.7	60.0	61.0	61.3	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7
≥ 18000		36.7	50.3	58.3	59.7	60.0	61.0	61.3	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7
≥ 16000		36.7	50.3	58.3	59.7	60.0	61.0	61.3	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7
≥ 14000		37.0	50.7	58.7	60.3	60.3	61.3	61.7	61.7	62.3	62.3	62.3	63.0	63.0	63.0	63.0
≥ 12000		36.0	52.0	60.0	61.3	61.7	62.7	63.0	63.0	63.7	63.7	63.7	64.3	64.3	64.7	64.7
≥ 10000		41.3	57.3	55.3	66.3	67.0	68.0	68.3	68.3	69.7	69.7	69.7	69.7	70.0	70.0	70.0
≥ 9000		42.7	58.7	67.0	68.3	68.7	69.7	70.0	70.0	70.7	70.7	70.7	71.3	71.7	71.7	71.7
≥ 8000		48.3	65.7	74.7	76.3	77.3	78.7	79.0	79.7	79.7	79.7	79.7	80.3	80.7	80.7	80.7
≥ 7000		50.3	67.7	77.0	78.7	80.0	81.7	82.0	82.0	82.7	82.7	82.7	83.3	83.7	83.7	83.7
≥ 6000		51.3	68.3	78.0	79.7	81.0	82.7	83.0	83.0	83.7	83.7	83.7	84.3	84.7	84.7	84.7
≥ 5000		51.3	68.7	78.3	80.3	81.7	83.3	83.7	83.7	84.3	84.3	84.3	85.0	85.3	85.3	85.3
≥ 4500		52.3	69.3	79.0	81.3	82.7	84.3	84.7	84.7	85.3	85.3	85.3	85.0	85.3	85.3	85.3
≥ 4000		52.3	69.3	79.0	81.3	82.7	84.3	84.7	84.7	85.3	85.3	85.3	85.0	85.3	85.3	85.3
≥ 3500		52.3	70.3	80.0	82.3	83.3	85.7	86.0	86.3	86.7	86.7	86.7	87.3	87.7	87.7	87.7
≥ 3000		52.7	71.0	81.0	83.3	84.7	86.7	87.3	87.0	87.7	87.7	87.7	88.3	88.7	88.7	88.7
≥ 2500		53.0	71.3	81.3	84.0	85.3	87.3	87.7	87.7	88.3	88.3	88.3	89.0	89.3	89.3	89.3
≥ 2000		53.7	72.0	82.3	85.0	86.3	88.3	88.7	88.7	89.3	89.3	89.3	90.0	90.3	90.3	90.3
≥ 1800		54.0	72.3	82.7	85.3	86.7	88.7	89.0	89.7	89.7	89.7	89.7	90.3	90.7	90.7	90.7
≥ 1600		54.7	73.7	84.0	87.0	88.3	90.7	91.3	91.3	92.0	92.0	92.0	92.7	93.0	93.0	93.0
≥ 1400		55.3	74.7	85.0	88.3	89.7	92.0	93.0	93.0	94.0	94.0	94.0	94.7	95.0	95.0	95.0
≥ 1200		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 1000		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 900		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 800		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 700		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 600		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 500		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 400		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 300		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 200		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 100		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3
≥ 0		55.3	74.7	85.0	88.3	89.7	92.3	93.3	93.3	94.3	94.3	94.3	95.0	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

YEARS

YEARS

MONTH

HOURS (L &amp; T)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	47.7	40.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	47.7	51.3	52.7	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 18000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 16000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 14000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 12000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 10000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 9000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 8000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 7000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 6000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 5000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 4500	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 4000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 3500	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 3000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 2500	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 2000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1800	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1500	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1200	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1000	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 900	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 800	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 700	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 600	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 500	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 400	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 300	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 200	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 100	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 0	47.7	51.3	52.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

19-72

YEARS

JUN

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	33.3	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	42.3	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 18000	42.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 16000	42.3	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 14000	42.3	46.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	44.3	46.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 10000	46.3	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 9000	46.3	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 8000	50.7	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 7000	51.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 6000	51.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 5000	51.0	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	52.0	57.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000	53.0	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 3500	56.3	60.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3000	65.0	71.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	72.3	77.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	76.7	84.3	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800	77.3	85.0	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	79.7	87.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	81.0	89.7	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	82.7	91.3	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	83.3	91.3	96.3	97.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	83.3	92.0	96.7	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	83.3	92.0	96.7	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	83.3	92.0	96.7	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	83.3	92.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	83.3	92.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	83.3	92.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	83.3	92.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	83.3	92.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	83.3	92.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

BEAUFORT, SC

STATION NAME

73-02

YEARS

MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		78.3	41.7	47.0	47.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000		70.3	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
18000		50.3	53.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
16000		50.3	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
14000		50.3	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
12000		51.3	57.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
10000		54.0	60.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
9000		58.7	60.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
8000		58.0	64.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
7000		58.7	65.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
6000		59.7	65.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
5000		59.7	65.3	67.7	68.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
4500		59.3	66.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
4000		59.7	66.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
3500		42.7	70.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
3000		49.3	78.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2500		74.0	84.0	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2000		77.3	87.3	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1800		77.3	87.3	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1500		78.7	90.0	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1200		79.7	90.0	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1000		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
900		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
800		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
700		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
600		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
500		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
400		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
300		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
100		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0		80.7	91.0	95.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

73N73  
STATION

SEALFON, SC  
STATION NAME

73-27  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		37.7	41.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000		51.7	56.3	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000		51.7	56.3	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000		51.7	56.3	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000		52.3	57.0	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000		58.7	59.3	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000		59.0	64.7	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000		59.3	65.0	67.3	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000		67.3	74.0	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000		68.0	75.3	78.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000		69.0	76.3	79.3	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000		69.7	77.3	80.3	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500		69.7	77.3	80.3	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000		71.7	79.3	82.3	82.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500		72.0	79.7	82.7	83.0	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000		76.3	85.0	88.0	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500		79.0	87.0	90.0	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000		78.7	88.3	91.7	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800		78.7	88.3	91.7	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500		90.7	90.3	93.7	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200		91.3	91.3	94.7	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000		92.3	93.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900		92.3	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800		92.3	93.3	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700		92.3	93.3	97.0	97.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		92.3	93.3	97.0	97.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500		92.3	93.3	97.0	97.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		92.3	93.3	97.0	97.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		92.3	93.3	97.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 101

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
0347

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

MONTHS  
JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		50.7	55.7	62.7	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 20000		55.7	66.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000		55.7	66.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000		55.7	66.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000		56.0	67.0	70.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000		57.7	68.7	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000		60.0	71.7	73.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000		60.0	71.7	73.0	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000		65.3	78.7	84.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 7000		66.0	79.7	84.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 6000		66.7	79.7	85.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000		66.7	79.7	85.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500		66.7	80.0	85.3	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000		67.7	81.0	86.3	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500		68.3	82.0	87.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3000		69.3	83.3	89.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500		70.3	85.0	91.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000		70.7	86.0	92.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800		70.7	86.0	92.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500		70.7	86.0	93.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200		71.0	87.3	94.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000		72.0	88.7	95.3	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900		72.0	88.7	95.7	97.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800		72.0	89.0	96.0	98.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600		72.3	89.3	96.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500		72.3	89.3	96.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		72.3	89.3	96.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		72.3	89.3	96.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		72.3	89.3	96.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		72.3	89.3	96.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		72.3	89.3	96.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
ASHEVILLESTATION NAME  
FEDERAL, SC

73-10

YEAR

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
PERIOD (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	79.4	47.2	50.3	51.3	51.4	51.9	51.9	51.9	52.1	52.0	52.0	52.0	52.1	52.1	52.1	52.1
IV 20000	47.0	56.1	59.9	60.8	61.0	61.9	61.9	61.9	61.9	61.7	61.7	61.7	61.8	61.8	61.8	61.8
IV 18000	47.0	56.2	59.8	60.9	61.0	61.9	61.9	61.9	61.9	61.8	61.8	61.8	61.9	61.9	61.9	61.9
IV 16000	47.0	56.3	59.9	60.9	61.0	61.9	61.9	61.9	61.9	61.8	61.8	61.8	61.9	61.9	61.9	61.9
IV 14000	47.0	56.6	60.2	61.3	61.9	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3
IV 12000	48.4	58.1	61.8	62.9	63.0	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.9	63.9	64.0	64.0
IV 10000	51.4	61.6	65.9	66.8	66.9	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.8	67.8	67.8	67.8
IV 9000	51.1	62.0	66.0	67.2	67.3	67.8	67.9	67.9	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2
IV 8000	56.4	69.2	72.7	74.0	74.3	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2
IV 7000	57.3	69.1	73.7	75.0	75.3	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.3	76.3
IV 6000	57.6	69.4	74.1	75.4	75.7	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.7	76.7	76.7	76.7
IV 5000	57.9	69.6	74.5	75.9	76.2	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.2	77.2	77.2	77.2
IV 4500	58.1	70.1	74.8	76.1	76.4	77.1	77.1	77.1	77.1	77.3	77.3	77.3	77.4	77.5	77.5	77.5
IV 4000	58.9	71.7	75.8	77.2	77.5	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6
IV 3500	59.0	72.5	77.4	78.8	79.2	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.3	80.3	80.3	80.3
IV 3000	63.2	76.5	81.7	83.3	83.6	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.7	84.7	84.7	84.7
IV 2500	65.5	79.1	84.6	86.4	86.7	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.8	87.9	87.9	87.9
IV 2000	67.8	82.0	87.9	89.6	90.1	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.3	91.3	91.3	91.3
IV 1800	67.9	82.1	88.0	90.0	90.3	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.4	91.5	91.5	91.5
IV 1500	69.4	84.3	90.6	92.3	93.1	94.0	94.0	94.0	94.0	94.3	94.3	94.3	94.5	94.5	94.5	94.5
IV 1200	69.9	85.0	91.3	93.6	94.0	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.2	95.3	95.3	95.3
IV 1000	71.0	86.4	92.8	95.3	95.8	96.8	97.0	97.0	97.0	97.2	97.2	97.2	97.3	97.4	97.4	97.4
IV 900	71.0	86.5	93.0	95.5	96.0	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.6	97.7	97.7	97.7
IV 800	71.1	86.7	93.2	95.7	96.2	97.3	97.5	97.5	97.5	97.7	97.7	97.7	97.9	98.0	98.0	98.0
IV 700	71.3	86.8	93.5	96.1	96.6	97.7	97.9	97.9	97.9	98.2	98.2	98.2	98.3	98.5	98.5	98.5
IV 600	71.4	87.0	93.8	96.3	96.8	97.9	98.1	98.1	98.1	98.4	98.4	98.4	98.5	98.6	98.6	98.6
IV 500	71.4	87.1	93.8	96.5	97.0	98.3	98.5	98.5	98.5	98.8	98.8	98.8	98.9	99.1	99.1	99.1
IV 400	71.5	87.2	93.9	96.7	97.2	98.5	98.7	98.7	98.7	99.1	99.1	99.1	99.2	99.3	99.4	99.4
IV 300	71.5	87.2	94.0	96.8	97.3	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.5	99.6	99.7	99.7
IV 200	71.5	87.3	94.0	96.9	97.5	98.8	99.1	99.1	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8
IV 100	71.5	87.3	94.0	96.9	97.5	98.8	99.1	99.1	99.1	99.5	99.5	99.5	99.8	99.8	99.9	99.9
IV 0	71.5	87.3	94.0	96.9	97.5	98.8	99.1	99.1	99.1	99.5	99.5	99.5	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (C.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING		42.9	44.9	42.6	44.5	44.5	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 18000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 14000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 10000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 8000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 6000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 4000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 3000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 2500		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 2000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 1800		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 1600		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 1400		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 1200		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 1000		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 900		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 800		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 700		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 600		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 500		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 400		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 300		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 200		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 100		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IN 0		49.4	63.9	72.9	75.9	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
93031

SEA-FORT, SC

STATION NAME

73-02

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

04

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		19.4	57.1	64.5	71.9	71.9	72.4	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000		43.6	62.9	70.7	79.7	79.7	87.7	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 18000		43.6	67.4	72.7	79.7	79.7	80.7	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 16000		43.6	67.4	72.7	79.7	79.7	80.7	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 14000		43.6	67.4	72.7	79.7	79.7	80.7	81.0	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 12000		44.2	64.2	71.9	81.0	81.0	81.9	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000		44.8	65.5	73.6	82.9	82.9	83.9	84.2	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000		45.5	66.2	74.2	83.6	83.6	84.5	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000		47.4	68.7	76.8	86.5	86.5	87.4	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 7000		47.7	69.0	77.1	86.8	86.8	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 6000		47.7	69.0	77.1	86.8	86.8	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 5000		48.1	69.4	77.4	87.4	87.4	88.4	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500		48.4	69.7	77.7	87.7	87.7	88.7	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000		49.0	70.3	78.4	88.4	88.4	89.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500		49.0	70.3	78.4	88.4	88.4	89.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3000		50.7	71.9	81.3	91.3	91.3	92.3	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500		51.9	73.6	83.2	93.6	93.6	94.5	94.8	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000		51.9	73.6	84.2	94.8	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800		51.9	73.6	84.2	94.8	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1600		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1400		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0		52.3	74.2	84.8	95.5	95.5	96.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97331  
STATION

ASHEVILLE, NC  
STATION NAME

73-62  
YEAR

YEAR

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING		74.2	36.8	44.5	50.3	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000		70.1	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000		70.1	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000		70.1	44.5	52.9	59.4	61.6	62.9	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1800		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1500		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1200		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1000		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 900		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 800		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 700		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 600		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 500		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 400		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 300		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 200		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 100		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5
≥ 0		70.1	44.5	53.2	59.7	61.9	63.2	63.6	63.6	64.5	64.5	64.5	64.5	64.5	64.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
93071STATION NAME  
REARFOOT, SCYEARS  
73-82MONTH  
JULPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (15 T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.7	38.7	42.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	34.5	44.5	46.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 18000	34.5	44.5	46.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
IV 16000	34.5	44.5	46.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
IV 14000	34.5	44.5	46.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
IV 12000	38.7	49.0	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	42.6	53.6	58.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.0
IV 9000	42.6	54.5	59.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6
IV 8000	47.4	59.4	64.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.4
IV 7000	48.7	60.7	65.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7
IV 6000	49.0	61.3	66.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.4
IV 5000	49.0	61.3	66.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
IV 4300	49.0	61.3	66.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	70.3
IV 4000	49.0	62.3	67.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7
IV 3300	50.0	62.3	67.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
IV 3000	55.5	69.0	73.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7
IV 2300	61.3	75.5	81.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.8
IV 2000	66.1	82.3	87.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3
IV 1800	68.4	82.3	87.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3
IV 1500	69.0	84.5	90.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5
IV 1200	70.3	86.1	92.3	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8
IV 1000	71.3	86.8	92.9	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1
IV 900	71.3	86.8	92.9	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1
IV 800	71.3	87.4	93.6	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.4
IV 700	71.3	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.7
IV 600	71.3	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.7
IV 500	71.3	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.7
IV 400	71.3	87.7	93.9	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.7
IV 300	71.3	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 200	71.3	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 100	71.3	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 0	71.3	87.7	94.2	98.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

95673  
STATION

REARPORT, SC

STATION NAME

73-72

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		23.2	27.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 20000		32.3	40.0	41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
18000		32.3	40.0	41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
16000		32.3	40.0	41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
14000		32.3	40.0	42.3	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
12000		32.3	40.0	42.3	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
10000		39.6	46.9	49.7	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
9000		39.6	47.7	50.7	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
8000		41.9	51.0	54.5	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
7000		42.6	51.9	55.2	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
6000		42.6	51.9	55.5	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
5000		43.2	52.3	55.8	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
4500		43.2	52.3	56.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
4000		45.5	54.5	58.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
3500		46.9	56.1	60.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
3000		54.5	65.2	69.7	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2500		64.6	76.8	81.6	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2000		69.7	82.6	88.4	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800		69.7	82.6	88.4	91.3	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1500		71.9	85.9	91.3	95.2	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1200		72.6	86.1	91.9	95.8	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1000		72.6	86.1	92.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
900		72.6	86.1	92.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
800		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
700		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
600		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
400		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
300		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0		73.2	87.1	92.9	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97411STATION NAME  
SEA-FORT, SCYEAR  
73-72MONTH  
JUL16  
HOURS (CET)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	28.4	32.9	34.8	35.4	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	40.3	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	40.3	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	40.3	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	40.3	46.1	48.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	42.9	49.7	51.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	46.1	52.3	55.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	46.1	52.3	55.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 8000	50.0	54.9	60.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	51.0	57.7	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	51.0	56.7	62.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	51.0	56.7	62.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500	52.3	59.7	64.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	52.3	59.7	64.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	54.9	61.3	66.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	54.9	61.3	66.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500	55.2	61.3	66.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000	70.0	81.0	88.1	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	70.0	81.0	88.1	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	71.0	81.9	89.4	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	71.0	81.9	89.4	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	72.3	83.6	91.3	95.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-42

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		73.0	40.2	47.6	43.9	43.2	43.7	43.9	47.7	43.2	47.9	43.4	43.9	44.2	44.2	44.2
≥ 20000		41.7	51.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
18000		41.7	51.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
16000		41.7	51.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
14000		42.3	52.3	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
12000		43.7	55.2	57.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
10000		47.7	61.7	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
9000		49.7	61.7	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
8000		55.8	63.7	73.2	73.4	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
7000		59.7	72.4	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
6000		60.3	72.3	77.7	78.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
5000		61.4	74.2	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
4500		62.6	75.4	80.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
4000		64.2	77.7	82.6	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
3500		64.5	79.1	83.2	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3000		65.9	80.2	85.2	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2500		68.1	82.3	87.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2000		69.7	84.5	91.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800		69.7	84.5	91.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1500		72.3	85.5	92.3	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1200		73.0	85.8	92.6	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1000		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		71.3	86.5	93.6	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

MTA FORT, SC

STATION NAME

73-72

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	44.7	51.3	55.2	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 18000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 16000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 14000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 12000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 8000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 7000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 6000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 5000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 4500	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 4000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 3500	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 3000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 2500	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 2000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 1800	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 1500	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 1200	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 1000	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 900	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 800	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 700	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 600	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 500	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 400	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 300	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 200	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 100	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 0	50.3	52.4	54.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8

TOTAL NUMBER OF OBSERVATIONS

116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

77-02

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS 11.5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		73.2	42.8	47.2	49.6	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000		40.6	51.7	56.9	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000		40.6	51.7	57.1	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000		40.6	51.7	57.1	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 14000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 8000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 6000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 5000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4500		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 3500		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 3000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 2500		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 2000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1800		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1500		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1200		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1000		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 900		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 800		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 700		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 600		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 500		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 400		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 300		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 200		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 100		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 0		40.6	51.7	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2

TOTAL NUMBER OF OBSERVATIONS

2420

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 73-74 MONTH: AUG  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST): 01

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		41.3	59.7	69.6	72.6	72.9	73.2	71.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000		43.6	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000		43.6	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000		43.6	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000		43.6	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000		43.6	63.9	73.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000		46.1	66.8	77.1	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 9000		46.1	66.8	77.1	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 8000		49.7	72.3	83.9	87.4	87.7	88.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 7000		51.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 6000		50.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000		51.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4500		50.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000		50.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500		50.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000		51.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500		51.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000		51.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800		51.3	73.2	85.2	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 400		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 200		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 100		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 0		52.4	74.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS: 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

77-07

YEARS

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74  
HOURS IN MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING		33.2	57.7	64.2	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000		35.2	53.6	68.7	75.2	75.2	75.2	75.8	75.9	77.1	77.1	77.1	77.1	77.1	77.1
≥ 18000		35.5	53.9	69.0	75.5	75.5	75.5	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000		35.5	53.9	69.0	75.5	75.5	75.5	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000		35.5	53.9	69.0	75.5	75.5	75.5	76.5	76.5	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000		35.5	54.5	69.7	76.3	76.3	76.3	77.1	77.1	78.9	78.9	78.9	78.9	78.9	78.9
≥ 10000		37.4	56.8	72.6	79.4	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000		37.4	56.8	72.6	79.4	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000		39.0	59.0	75.8	82.9	82.9	82.9	83.6	83.6	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		39.0	59.0	75.8	82.9	82.9	82.9	83.6	83.6	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000		39.0	59.4	76.1	83.2	83.2	83.2	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000		39.0	59.4	76.1	83.2	83.2	83.2	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		39.0	60.0	76.8	84.2	84.2	84.2	84.8	84.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000		39.0	60.0	76.8	84.2	84.2	84.2	84.8	84.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500		39.0	60.3	77.1	84.5	84.5	84.5	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000		40.0	61.9	79.0	86.8	86.8	86.8	87.4	87.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500		41.6	62.9	80.0	87.7	88.1	88.1	88.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		42.9	64.2	81.9	89.7	90.0	90.0	90.7	91.3	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800		42.9	64.2	81.9	89.7	90.0	90.0	90.7	91.3	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1600		42.9	64.2	82.9	90.7	91.0	91.0	91.6	92.3	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1400		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 700		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 200		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 100		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5
≥ 0		43.2	65.2	83.6	91.3	91.6	92.3	92.9	92.9	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

STATION NAME  
BEAUFORT, SC

YEARS  
73-82

DATE

DATE

17

HOURLY (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	77.1	59.0	47.7	51.9	54.9	56.9	57.7	57.7	58.7	58.7	58.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	31.1	46.1	56.1	60.3	63.2	65.2	66.8	66.8	67.7	67.7	67.7	68.7	68.7	68.7	68.7	68.7
18000	31.1	46.1	56.1	61.7	63.9	65.9	67.4	67.4	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7
16000	31.1	46.1	56.1	61.0	63.9	65.9	67.4	67.4	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7
14000	31.1	47.4	57.7	61.9	64.4	66.8	68.4	68.4	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7
12000	32.4	49.0	59.4	63.6	66.3	68.4	70.0	70.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6
10000	35.9	51.9	62.3	66.9	69.7	71.6	73.2	73.6	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2
9000	35.9	51.9	62.3	66.9	69.7	71.6	73.2	73.6	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2
8000	36.8	55.5	66.8	71.6	75.2	77.1	78.7	79.7	80.2	80.2	80.2	80.7	80.7	80.7	81.0	81.3
7000	37.4	56.1	67.4	72.3	75.8	77.7	79.4	79.7	80.7	80.7	80.7	81.3	81.3	81.3	81.6	81.9
6000	37.7	56.8	68.1	72.9	76.5	78.4	80.0	80.3	81.3	81.3	81.3	81.9	81.9	81.9	82.3	82.6
5000	38.4	57.7	69.4	74.2	77.7	79.7	81.3	81.6	82.6	82.6	82.6	83.2	83.2	83.2	83.6	83.9
4500	38.7	58.4	70.0	74.8	78.4	80.3	81.9	82.3	83.2	83.2	83.2	83.9	83.9	83.9	84.2	84.5
4000	38.7	58.4	70.0	74.8	78.4	80.3	81.9	82.3	83.2	83.2	83.2	83.9	83.9	83.9	84.2	84.5
3500	38.7	58.4	70.0	74.8	78.4	80.3	81.9	82.3	83.2	83.2	83.2	83.9	83.9	83.9	84.2	84.5
3000	40.3	60.3	72.6	77.7	81.3	83.2	84.8	85.2	86.1	86.1	86.1	86.6	86.6	86.6	87.1	87.4
2500	40.3	60.3	72.6	77.7	81.3	83.2	84.8	85.2	86.1	86.1	86.1	86.6	86.6	86.6	87.1	87.4
2000	40.3	60.3	72.6	77.7	81.3	83.2	84.8	85.2	86.1	86.1	86.1	86.6	86.6	86.6	87.1	87.4
1800	40.3	60.3	72.6	77.7	81.3	83.2	84.8	85.2	86.1	86.1	86.1	86.6	86.6	86.6	87.1	87.4
1600	41.0	61.0	73.9	79.4	82.9	84.8	86.5	86.8	88.1	88.1	88.1	88.7	88.7	88.7	89.0	89.4
1400	41.3	61.3	74.2	80.0	83.8	85.9	87.1	87.4	88.7	88.7	88.7	89.4	89.4	89.4	89.7	90.0
1200	41.6	61.9	74.8	80.7	84.5	86.5	88.7	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.3	91.6
1000	41.6	61.9	74.8	80.7	84.5	86.5	88.7	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.3	91.6
900	41.6	62.6	75.8	81.6	85.8	87.7	90.0	90.3	91.6	91.6	91.6	92.3	92.3	92.3	92.6	92.9
800	41.6	62.6	75.8	81.6	85.8	87.7	90.0	90.3	91.6	91.6	91.6	92.3	92.3	92.3	92.6	92.9
700	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
600	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
500	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
400	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
300	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
200	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
100	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2
0	42.3	63.2	76.5	82.6	86.8	89.0	91.3	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.9	94.2

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

73-22

YEARS

AUG

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	31.7	30.7	40.0	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	36.6	46.1	47.7	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
WV 18000	36.6	46.1	47.7	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
WV 16000	37.1	46.5	48.1	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
WV 14000	37.7	47.1	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
WV 12000	38.7	47.4	50.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
WV 10000	43.2	53.2	55.2	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
WV 9000	43.6	53.6	55.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
WV 8000	47.1	57.7	60.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
WV 7000	47.7	58.4	61.0	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
WV 6000	48.1	58.7	61.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
WV 5000	49.0	59.7	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
WV 4500	49.0	59.7	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
WV 4000	50.0	60.7	63.6	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
WV 3500	50.3	61.0	64.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
WV 3000	55.6	66.5	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
WV 2500	63.6	74.5	78.4	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
WV 2000	67.4	78.7	83.2	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
WV 1800	67.4	79.4	83.9	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
WV 1500	71.0	83.9	88.7	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
WV 1200	71.3	84.5	89.4	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
WV 1000	71.3	86.1	91.6	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
WV 900	72.0	86.8	92.3	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
WV 800	72.0	87.7	93.2	95.8	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
WV 700	72.0	87.7	93.6	95.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
WV 600	73.2	88.4	94.5	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
WV 500	73.2	88.4	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
WV 400	73.2	88.4	94.8	97.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
WV 300	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
WV 200	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
WV 100	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
WV 0	73.2	88.4	95.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORT, SC

STATION NAME

73-92

YEAR

MOON

13

HOURLY (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		24.2	27.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	27.1
≥ 20000		35.2	39.4	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 18000		35.2	39.4	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 16000		35.2	39.4	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 14000		35.2	40.0	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000		37.1	41.6	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000		39.7	44.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 9000		39.7	44.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 8000		43.9	49.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 7000		44.9	52.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000		44.9	52.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 5000		44.9	52.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4500		44.9	52.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4000		45.5	51.7	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3500		46.1	51.9	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 3000		57.4	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500		68.1	76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000		74.2	83.9	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800		74.2	83.9	86.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1600		78.7	89.7	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	95.2	95.2	95.2
≥ 1400		78.7	90.0	92.9	94.5	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5
≥ 1200		79.7	91.3	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7	97.7
≥ 1000		79.7	91.3	95.5	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
≥ 900		79.7	91.3	95.5	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
≥ 800		79.7	91.3	95.5	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
≥ 700		80.0	91.6	95.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 600		80.0	91.6	95.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 500		80.0	91.6	95.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0
≥ 400		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 300		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 200		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 100		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 0		80.0	91.6	95.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93641  
STATION

BEAUFORT, SC

STATION NAME

73-92

YEAR

10  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.O.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		32.4	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000		44.5	51.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
18000		44.5	51.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
16000		44.5	51.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
14000		44.5	51.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
12000		44.5	51.3	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
10000		51.6	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
9000		51.6	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
8000		54.8	65.2	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
7000		56.9	67.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
6000		56.9	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
5000		56.9	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
4500		56.9	67.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
4000		57.4	67.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
3500		57.7	69.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
3000		64.5	77.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2500		71.0	83.6	87.7	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2000		74.2	87.4	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1800		74.2	87.4	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1500		75.0	90.0	94.5	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1200		75.0	90.0	94.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1000		76.0	91.0	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900		76.0	91.0	96.5	98.4	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
800		77.1	91.3	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700		77.1	91.3	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600		77.1	91.3	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500		77.1	91.3	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400		77.1	91.3	97.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300		77.1	91.3	97.1	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		77.1	91.3	97.1	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		77.1	91.3	97.1	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		77.1	91.3	97.1	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

316

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

DIR-1  
STATION

PFA-PORT, SC

STATION NAME

75-42

YEARS

40

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

19

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING		17.4	41.6	43.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000		40.1	56.4	59.4	61.7	61.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
NV 18000		50.3	57.1	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
NV 16000		50.7	57.4	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
NV 14000		51.3	58.4	61.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
NV 12000		52.7	60.0	63.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
NV 10000		57.1	64.9	68.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
NV 9000		57.7	65.2	69.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
NV 8000		62.3	71.9	74.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
NV 7000		64.2	74.2	74.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
NV 6000		64.5	74.5	79.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
NV 5000		65.1	74.5	81.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
NV 4500		66.1	76.5	81.0	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
NV 4000		66.5	77.1	81.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
NV 3500		66.5	77.1	81.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
NV 3000		69.0	80.3	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
NV 2500		71.0	82.3	88.4	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
NV 2000		72.6	83.9	90.0	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
NV 1800		72.6	83.9	91.0	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
NV 1600		72.6	84.5	91.0	94.8	95.2	95.8	95.8	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
NV 1400		72.6	84.5	91.6	96.5	96.8	98.1	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
NV 1200		72.6	84.5	91.6	96.5	96.8	98.1	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
NV 1000		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 900		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 800		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 700		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 600		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 500		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 400		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 300		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 200		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 100		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
NV 0		72.6	85.2	92.3	97.1	97.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

HEADQUARTS, SC

STATION NAME

73-82

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		47.1	38.4	43.2	64.2	64.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 20000		50.3	64.5	69.7	70.7	70.7	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000		50.3	64.5	69.7	70.7	70.7	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 16000		50.3	64.5	70.0	71.0	71.0	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000		50.3	64.5	70.0	71.0	71.0	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 12000		51.0	65.2	70.7	71.6	71.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 10000		52.3	66.8	72.6	73.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000		52.3	67.4	73.2	74.2	74.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000		54.1	73.7	80.0	81.6	81.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 7000		55.4	73.6	80.7	82.3	82.3	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 6000		54.4	73.6	81.0	82.6	82.6	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000		54.4	73.6	81.0	82.6	82.6	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500		58.7	73.9	81.6	83.2	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000		59.0	74.5	82.3	83.9	83.9	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500		59.0	74.5	82.9	84.5	84.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000		61.1	74.1	87.1	89.0	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500		61.9	74.7	89.0	91.0	91.0	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000		62.3	80.3	90.3	93.2	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800		62.3	80.3	91.3	93.2	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500		63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200		63.6	81.9	92.3	95.2	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000		63.6	81.9	92.9	96.8	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900		63.6	81.9	92.9	96.8	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800		63.6	81.9	92.9	97.1	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700		63.6	81.9	92.9	97.4	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600		63.6	81.9	92.9	97.4	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500		63.6	81.9	92.9	97.7	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		63.6	81.9	93.2	98.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		63.6	81.9	93.2	98.4	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		63.6	81.9	93.2	98.4	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		63.6	81.9	93.2	98.4	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		63.6	81.9	93.2	98.4	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

BEAUFORT, SC

17-62

YEARS

405

MONTH

ALL

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		34.2	44.2	49.3	51.4	51.9	52.2	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000		40.9	52.7	58.5	60.7	61.1	61.5	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
18000		41.0	52.9	58.7	60.9	61.3	61.7	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
16000		41.1	52.9	58.8	61.0	61.4	61.8	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
14000		41.3	53.0	59.0	61.2	61.6	62.0	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
12000		42.3	54.0	60.7	62.9	63.4	63.8	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4
10000		45.4	59.0	64.4	66.6	67.1	67.5	67.8	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2
9000		45.6	59.1	64.6	66.9	67.3	67.7	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
8000		49.0	63.0	70.0	72.9	73.1	73.5	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
7000		49.9	64.7	71.1	73.6	74.2	74.6	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2
6000		50.0	64.8	71.5	74.0	74.5	74.9	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
5000		50.9	64.7	72.0	74.4	75.0	75.4	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
4500		50.9	64.8	72.1	74.5	75.1	75.5	75.7	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
4000		50.9	65.1	72.7	75.1	75.9	76.3	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9
3500		51.1	65.8	73.2	75.6	76.4	76.8	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
3000		55.7	70.5	78.6	81.9	82.1	82.5	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2500		56.7	74.5	83.0	86.1	86.7	87.2	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2000		50.8	77.0	85.7	89.2	89.8	90.4	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1800		60.9	77.1	85.8	89.3	89.9	90.5	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1500		62.3	75.2	88.3	91.9	92.5	93.3	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1200		62.4	79.4	88.6	92.2	92.9	93.6	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
1000		62.8	80.1	89.8	93.9	94.7	95.5	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
900		62.9	80.3	90.1	94.3	95.1	96.0	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1
800		62.9	80.3	90.4	94.7	95.3	96.4	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700		63.2	80.7	90.7	95.0	95.9	96.8	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
600		63.2	80.7	90.8	95.2	96.2	97.1	97.5	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
500		63.2	80.7	90.8	95.6	96.4	97.5	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6
400		63.2	80.7	90.9	95.7	96.8	97.7	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
300		63.2	80.8	91.0	96.1	97.1	98.0	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200		63.2	80.8	91.1	96.2	97.2	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
100		63.2	80.9	91.1	96.2	97.2	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0		63.2	80.9	91.1	96.2	97.2	98.2	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.7	55.3	62.0	64.7	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000	44.0	59.7	64.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	44.0	60.0	67.0	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	44.0	60.0	67.0	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	44.0	60.0	67.0	70.7	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	45.0	61.3	68.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	47.0	64.0	71.3	75.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	46.0	64.7	72.0	76.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	45.0	66.7	75.3	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	49.3	67.3	76.0	81.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	49.3	67.7	76.3	81.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	49.3	68.0	76.7	81.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	49.3	68.3	76.7	81.7	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	50.0	68.7	77.3	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	50.0	69.0	77.7	83.0	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	50.7	70.3	80.0	85.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	52.0	72.3	82.3	88.0	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	52.7	73.3	83.7	90.0	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	52.7	73.7	84.0	90.3	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1600	53.3	76.0	86.3	93.0	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1400	53.3	76.0	86.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	54.0	77.0	87.3	94.7	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	54.0	77.0	87.3	94.7	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	54.0	77.0	87.3	95.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	54.0	77.3	88.0	95.7	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	54.0	77.3	88.7	96.3	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

93871  
STATION87616041, SC  
STATION NAME77-07  
YEARSSFD  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)C4  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		77.0	46.0	56.0	61.0	62.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	65.0	65.0	65.0
≥ 20000		79.0	48.0	60.0	67.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	71.0	71.0	71.0
≥ 18000		76.0	49.0	61.0	67.0	68.0	70.0	70.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		79.0	49.0	61.0	67.0	68.0	70.0	70.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000		80.0	49.0	61.0	68.0	68.0	70.0	70.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000		80.0	50.0	62.0	68.0	69.0	71.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000		82.0	51.0	64.0	71.0	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	75.0	75.0	75.0
≥ 9000		82.0	52.0	64.0	71.0	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	75.0	75.0	75.0
≥ 8000		83.0	54.0	67.0	75.0	76.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.0	79.0	79.0
≥ 7000		84.0	54.0	68.0	75.0	76.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.0	79.0	79.0
≥ 6000		84.0	55.0	68.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	80.0	80.0	80.0
≥ 5000		84.0	55.0	67.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	80.0	80.0	80.0
≥ 4500		84.0	55.0	69.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	80.0	80.0	80.0
≥ 4000		85.0	56.0	70.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	80.0	80.0	80.0
≥ 3500		85.0	56.0	70.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	80.0	80.0	80.0
≥ 3000		86.0	58.0	73.0	80.0	81.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	85.0	85.0	85.0
≥ 2500		86.0	59.0	74.0	82.0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.0	86.0	86.0
≥ 2000		86.0	59.0	74.0	82.0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	86.0	86.0	86.0
≥ 1800		86.0	60.0	76.0	84.0	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
≥ 1600		86.0	60.0	76.0	85.0	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	89.0	89.0	89.0
≥ 1400		87.0	62.0	78.0	87.0	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.0	91.0	91.0
≥ 1200		87.0	62.0	78.0	87.0	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.0	91.0	91.0
≥ 1000		89.0	63.0	80.0	89.0	90.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	94.0	94.0	94.0
≥ 900		89.0	64.0	81.0	89.0	91.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.0	95.0	95.0
≥ 800		89.0	64.0	82.0	90.0	91.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	96.0	96.0	96.0
≥ 700		89.0	64.0	82.0	90.0	91.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	96.0	96.0	96.0
≥ 600		89.0	64.0	82.0	90.0	91.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	96.0	96.0	96.0
≥ 500		89.0	64.0	83.0	91.0	92.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0
≥ 400		89.0	64.0	83.0	92.0	93.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	98.0	98.0	98.0
≥ 300		89.0	64.0	83.0	92.0	93.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	98.0	98.0	98.0
≥ 200		89.0	64.0	83.0	92.0	93.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	98.0	98.0	98.0
≥ 100		89.0	64.0	83.0	92.0	93.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	98.0	98.0	98.0
≥ 0		89.0	64.0	83.0	92.0	93.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

WALFORD, SC

STATION NAME

73-47

YEARS

SECT

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		13.3	25.3	33.3	38.7	42.0	44.3	45.7	46.0	46.3	47.0	47.0	47.0	47.0	47.0	47.7
≥ 20000		16.3	29.7	37.7	44.7	48.0	50.3	52.0	52.3	53.0	53.7	53.7	53.7	53.7	54.0	54.7
IV 18000		16.3	29.7	38.7	45.7	48.3	50.7	52.3	52.7	53.3	54.0	54.0	54.0	54.0	54.3	55.0
IV 16000		16.3	29.7	38.7	45.7	48.3	50.7	52.3	52.7	53.3	54.0	54.0	54.0	54.0	54.3	55.0
IV 14000		17.0	30.0	38.7	45.7	49.0	51.3	53.0	53.3	54.0	54.7	54.7	54.7	54.7	55.0	55.7
IV 12000		18.3	32.3	41.3	46.3	52.0	54.3	56.3	56.7	57.3	58.3	58.0	58.0	58.0	58.3	59.0
IV 10000		20.3	34.3	46.0	51.3	57.3	60.3	62.3	62.7	63.3	64.3	64.3	64.3	64.3	64.7	65.3
IV 9000		20.3	34.3	46.3	53.7	57.7	60.7	62.7	63.0	63.7	64.3	64.3	64.3	64.7	65.0	65.7
IV 8000		24.3	42.3	53.0	61.0	65.7	69.7	71.0	71.3	72.3	72.7	72.7	72.7	73.0	73.3	74.0
IV 7000		24.3	43.0	53.7	62.0	66.7	70.0	72.3	72.7	73.3	74.3	74.0	74.3	74.3	74.7	75.3
IV 6000		24.3	43.0	53.7	62.0	66.7	70.0	72.3	72.7	73.3	74.3	74.0	74.3	74.3	74.7	75.3
IV 5000		24.3	43.0	54.0	62.7	67.3	70.7	73.0	73.3	74.3	74.7	74.7	75.0	75.0	75.3	76.0
IV 4500		24.3	43.3	54.3	62.7	67.3	70.7	73.0	73.3	74.3	74.7	74.7	75.0	75.0	75.3	76.0
IV 4000		24.3	43.3	54.3	63.3	68.0	71.7	74.0	74.3	75.3	75.7	75.7	76.0	76.0	76.3	77.0
IV 3500		25.0	43.7	54.7	63.7	68.3	72.0	74.3	74.7	75.3	76.3	76.3	76.3	76.3	76.7	77.3
IV 3000		26.3	45.7	57.3	66.3	71.0	74.7	77.0	77.3	78.0	78.7	79.7	79.0	79.0	79.3	80.0
IV 2500		26.3	45.7	57.7	66.7	72.0	75.7	78.0	78.3	79.3	79.7	79.7	80.3	80.3	80.7	81.3
IV 2000		26.3	46.0	58.3	67.7	73.3	77.0	80.0	80.3	81.3	82.3	82.0	82.7	82.7	83.0	83.7
IV 1800		26.7	46.0	58.3	67.7	73.3	77.0	80.0	80.3	81.3	82.3	82.0	82.7	82.7	83.0	83.7
IV 1500		27.0	46.7	59.0	69.0	74.7	78.7	81.7	82.0	82.7	83.7	83.7	84.3	84.3	84.7	85.3
IV 1200		27.0	47.3	59.7	69.7	75.3	79.3	82.7	83.0	83.7	84.7	84.7	85.3	85.3	85.7	86.3
IV 1000		27.0	47.7	61.0	71.7	78.0	82.0	85.3	85.7	86.3	87.3	87.3	88.0	88.0	88.3	89.0
IV 900		27.7	47.7	61.3	72.3	78.7	82.7	86.0	86.3	87.0	88.0	88.0	88.0	88.7	89.3	90.0
IV 800		27.7	48.0	62.3	73.7	80.7	85.0	88.3	88.7	89.3	90.3	90.3	91.0	91.0	91.3	92.0
IV 700		27.3	48.0	63.0	74.7	81.7	86.0	89.7	90.3	90.7	91.7	91.7	92.3	92.3	92.7	93.7
IV 600		27.3	48.7	63.0	74.7	82.0	86.3	90.0	90.3	91.3	92.0	92.0	92.7	92.7	93.0	94.0
IV 500		27.3	49.0	63.3	75.0	82.7	87.0	91.0	91.3	92.3	93.3	93.3	94.0	94.0	94.3	95.3
IV 400		27.3	49.7	64.0	76.0	83.7	88.0	92.0	92.3	93.3	94.3	94.3	95.0	95.0	95.3	96.3
IV 300		27.3	49.7	64.3	77.0	84.7	89.0	93.0	93.7	94.7	95.7	95.7	96.3	96.3	96.7	97.3
IV 200		27.3	50.0	64.7	77.7	85.3	89.7	93.7	94.3	95.3	96.3	96.3	97.0	97.0	97.3	98.0
IV 100		27.3	50.0	64.7	77.7	85.3	90.0	94.0	94.7	95.7	96.7	96.7	97.3	97.3	97.7	98.7
IV 0		27.3	50.0	64.7	77.7	85.3	90.0	94.0	94.7	95.7	96.7	96.7	97.3	97.3	97.7	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

77-01

YEARS

SEP

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		34.0	37.0	39.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	50.0
≥ 20000		17.0	43.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
18000		17.0	43.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
16000		17.0	43.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
14000		16.0	44.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
12000		19.0	46.0	48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10000		23.0	51.0	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
9000		43.0	51.0	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
8000		47.0	51.0	54.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
7000		47.0	50.0	54.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
6000		47.0	50.0	54.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
5000		48.0	57.0	60.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
4500		48.0	58.0	61.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
4000		49.0	58.0	62.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
3500		49.0	57.0	63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
3000		51.0	61.0	66.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2500		54.0	66.0	70.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2000		58.0	70.0	75.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1800		59.0	70.0	75.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1500		52.0	76.0	81.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1200		63.0	77.0	83.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1000		64.0	79.0	85.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
900		64.0	79.0	85.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
800		65.0	80.0	86.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
700		65.0	81.0	88.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
600		65.0	81.0	88.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
500		65.0	81.0	88.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
400		65.0	81.0	89.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
300		65.0	81.0	89.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
200		65.0	81.0	89.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
100		65.0	81.0	89.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0		65.0	81.0	89.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

73-0

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS I.C.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	78.7	29.7	3.8	31.7	71.7	31.7	71.3	51.7	31.3	31.3	31.3	31.3	31.3	31.3	31.7	71.3
IV 20000	73.7	36.3	37.3	34.7	75.7	39.7	72.3	52.7	35.3	35.3	35.3	35.3	35.3	35.3	36.3	72.3
IV 18000	73.7	37.7	36.7	35.7	38.7	39.7	79.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	79.7
IV 16000	73.7	37.7	36.7	35.7	38.7	39.7	79.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	79.7
IV 14000	74.7	37.3	36.3	39.7	39.7	39.7	79.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	79.3
IV 12000	74.7	36.7	35.7	47.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 10000	77.7	41.0	42.7	43.7	43.7	44.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 9000	77.7	41.7	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000	71.7	46.7	45.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000	72.7	47.7	48.7	49.7	49.7	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 6000	72.7	47.7	49.0	50.0	50.0	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000	72.7	47.7	49.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 4500	72.7	47.7	49.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 4000	73.7	49.7	50.7	51.7	51.7	52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3500	75.7	51.0	51.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 3000	73.0	60.7	62.3	65.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2500	70.0	69.7	71.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2000	75.7	74.3	75.3	81.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	75.3	74.3	75.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1500	71.7	82.3	87.3	89.3	89.7	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	71.7	83.3	89.7	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	74.7	85.7	91.7	96.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	74.7	85.7	91.7	96.7	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	74.7	85.7	91.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	74.7	85.7	92.0	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	74.7	85.0	92.3	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	74.3	86.0	92.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	74.7	86.3	93.0	98.0	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	74.7	86.7	93.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	74.7	86.7	93.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	74.7	86.7	93.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	74.7	86.7	93.3	98.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

320

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

00A-507, 00

STATION NAME

73-4-7

YEARS

SEP

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		35.7	33.7	33.7	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 20000		40.0	44.3	44.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000		40.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 16000		40.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 14000		41.0	45.7	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 12000		42.0	46.7	47.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 10000		45.7	50.7	51.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000		46.7	50.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000		54.0	67.0	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000		54.7	60.7	62.0	63.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 6000		55.0	61.0	62.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000		56.0	62.3	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500		56.0	62.3	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000		56.3	62.7	64.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500		57.0	63.3	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3000		63.7	69.7	72.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2500		67.0	74.7	78.3	80.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2000		71.0	77.3	83.7	86.7	87.3	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800		71.0	79.3	83.7	86.7	87.3	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500		74.3	84.3	88.7	91.3	92.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200		75.0	85.3	89.7	92.3	93.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000		77.0	87.7	92.0	95.0	96.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		77.0	87.7	92.0	95.0	96.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		77.0	88.0	92.7	95.7	97.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700		77.0	88.0	92.7	95.7	97.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600		77.0	88.0	92.7	95.7	97.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500		77.0	88.3	93.3	96.3	97.7	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		77.0	88.3	93.3	96.7	98.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		77.0	88.3	93.3	96.7	98.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		77.0	88.3	93.3	96.7	98.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		77.0	88.3	93.3	96.7	98.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		77.0	88.3	93.3	96.7	98.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORT, SC

STATION NAME

73-42

YEAR

SEP

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		14.7	40.7	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000		46.3	53.3	56.3	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000		40.3	53.7	56.3	56.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000		46.3	53.7	56.3	56.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000		46.3	56.0	57.0	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000		48.3	56.7	60.0	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000		52.7	63.0	66.3	68.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		53.0	63.3	66.7	68.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000		57.7	68.7	72.7	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000		58.3	62.3	73.3	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000		59.3	70.3	74.3	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000		59.0	71.0	75.0	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500		60.3	71.7	75.7	77.7	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000		60.7	72.0	76.0	78.0	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500		61.0	72.7	76.7	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000		62.7	75.7	81.3	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500		64.0	77.7	83.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000		64.7	79.0	85.0	87.7	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		65.3	79.7	85.7	88.7	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500		65.7	80.7	86.7	90.0	90.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		66.3	81.0	87.3	91.3	92.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000		66.3	83.0	89.3	93.3	94.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		66.7	83.3	89.7	93.7	94.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		66.7	83.7	90.0	94.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700		66.7	83.7	90.3	95.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		66.7	83.7	90.3	95.0	96.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0		66.7	83.7	90.3	95.0	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	43.7	54.7	59.7	65.7	70.7	76.7	80.7	86.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 20000	48.7	61.0	66.3	71.7	77.7	83.7	88.7	93.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 18000	49.0	62.3	67.7	73.7	79.7	85.7	90.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 16000	49.0	62.3	67.7	73.7	79.7	85.7	90.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 14000	49.0	62.3	67.7	73.7	79.7	85.7	90.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 12000	51.0	63.0	70.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	52.0	65.0	72.7	73.7	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	52.3	65.7	72.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	56.3	70.0	76.0	79.3	79.3	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	57.0	71.0	79.3	80.7	80.7	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	57.0	71.0	79.3	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	57.3	72.0	80.7	82.3	82.3	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500	57.3	72.0	80.7	82.3	82.3	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	57.7	72.3	81.0	82.7	82.7	83.0	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	58.3	73.0	81.7	83.3	83.3	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	59.7	74.3	83.3	85.3	85.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	61.3	76.3	85.7	87.7	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	62.0	78.0	88.0	90.0	90.0	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	62.0	78.3	88.7	90.7	90.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	62.7	79.3	90.3	92.7	92.7	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	62.7	79.7	91.0	93.7	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	62.7	81.0	92.7	95.3	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	63.0	82.0	94.0	96.7	96.7	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	63.0	82.3	94.3	97.3	97.3	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	63.0	82.3	94.7	97.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	63.0	82.3	94.7	97.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	63.0	82.3	94.7	97.7	97.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	63.0	82.3	94.7	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	63.0	82.3	94.7	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	63.0	82.3	94.7	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	63.0	82.3	94.7	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	63.0	82.3	94.7	97.7	97.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
23312STATION NAME  
FORT, SCYEARS  
73-74MONTH  
SEPPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)HOURS  
511

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		31.3	40.4	44.6	46.6	47.2	47.8	48.0	48.7	48.2	48.3	48.3	48.3	48.3	48.4
≥ 20000		36.4	46.9	51.8	54.5	55.1	55.9	56.1	56.1	56.3	56.4	56.4	56.4	56.4	56.6
IV 18000		37.2	47.3	52.2	55.1	55.7	56.4	56.6	56.7	56.8	56.9	56.9	57.0	57.0	57.1
IV 16000		37.2	47.3	52.2	55.1	55.7	56.4	56.6	56.7	56.8	56.9	56.9	57.0	57.0	57.1
IV 14000		37.4	47.7	52.7	55.5	56.1	56.9	57.1	57.1	57.3	57.4	57.4	57.4	57.4	57.6
IV 12000		38.7	49.4	54.7	57.7	58.3	59.0	59.3	59.3	59.5	59.6	59.6	59.6	59.6	59.8
IV 10000		41.3	52.5	58.5	61.7	62.4	63.2	63.5	63.5	63.7	63.8	63.8	63.9	63.9	64.0
IV 9000		41.5	53.1	58.8	62.7	62.8	63.6	63.8	63.9	64.1	64.2	64.2	64.3	64.3	64.4
IV 8000		45.5	55.0	64.3	67.9	68.7	69.5	69.8	69.9	70.1	70.2	70.2	70.3	70.3	70.4
IV 7000		46.5	59.7	65.0	69.4	69.4	70.3	70.6	70.6	70.8	70.9	70.9	71.0	71.0	71.2
IV 6000		46.3	59.1	65.5	69.1	69.9	70.8	71.1	71.1	71.3	71.4	71.4	71.5	71.5	71.7
IV 5000		44.6	59.6	66.2	69.9	70.7	71.6	71.9	71.9	72.1	72.2	72.2	72.3	72.3	72.5
IV 4500		46.7	59.8	66.3	70.0	70.8	71.8	72.0	72.1	72.3	72.4	72.4	72.5	72.5	72.6
IV 4000		47.1	60.4	67.0	70.9	71.7	72.7	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.6
IV 3500		47.7	61.1	67.8	71.6	72.5	73.5	73.8	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 3000		50.4	64.7	72.2	76.3	77.2	78.2	78.5	78.5	78.8	78.9	78.9	79.0	79.0	79.1
IV 2500		52.7	67.5	75.5	79.8	80.8	81.9	82.2	82.2	82.5	82.6	82.6	82.8	82.8	82.9
IV 2000		54.6	70.0	78.5	83.0	84.3	85.5	85.9	85.9	86.2	86.3	86.3	86.5	86.5	86.7
IV 1800		54.8	70.2	78.8	83.4	84.7	85.8	86.2	86.3	86.5	86.7	86.7	86.8	86.8	87.0
IV 1500		56.3	73.3	82.1	87.1	88.4	89.7	90.1	90.2	90.5	90.6	90.6	90.8	90.8	91.0
IV 1200		57.1	74.0	83.0	88.4	89.7	91.1	91.5	91.6	91.9	92.1	92.1	92.3	92.3	92.5
IV 1000		58.0	75.6	85.0	90.5	92.0	93.6	93.9	93.9	94.3	94.5	94.5	94.7	94.7	94.9
IV 900		58.2	75.9	85.3	91.0	92.5	93.9	94.4	94.5	94.8	95.0	95.0	95.2	95.2	95.4
IV 800		58.3	76.1	85.8	91.7	93.3	94.8	95.3	95.4	95.8	95.9	95.9	96.1	96.1	96.3
IV 700		58.4	76.3	86.3	92.2	93.8	95.4	96.0	96.0	96.4	96.5	96.5	96.8	96.8	97.0
IV 600		58.4	76.5	86.5	92.5	94.2	95.8	96.5	96.5	96.9	97.1	97.1	97.4	97.4	97.6
IV 500		58.4	76.6	86.8	92.9	94.7	96.3	97.3	97.4	97.9	98.1	98.1	98.3	98.3	98.5
IV 400		58.5	76.7	87.0	93.3	95.1	96.8	97.9	98.0	98.5	98.8	98.8	99.0	99.0	99.2
IV 300		58.5	76.8	87.1	93.5	95.3	97.0	98.1	98.2	98.8	99.0	99.0	99.3	99.3	99.5
IV 200		58.5	76.8	87.2	93.5	95.4	97.1	98.2	98.3	98.9	99.1	99.1	99.4	99.4	99.7
IV 100		58.5	76.8	87.2	93.6	95.4	97.3	98.3	98.4	99.0	99.3	99.3	99.5	99.5	99.9
IV 0		58.5	76.8	87.2	93.6	95.4	97.3	98.3	98.4	99.0	99.3	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEA FORT, SC

STATION NAME

73-62

YEAR

OCT

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 4
NO CEILING		56.5	69.7	71.9	73.9	74.2	75.3	75.5	75.5	75.8	75.8	75.8	75.8	75.8	76.1	76.5
≥ 20000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	79.7	80.0	80.3
IV 18000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	79.7	80.0	80.3
IV 16000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	79.7	80.0	80.3
IV 14000		59.4	72.9	75.5	77.4	77.7	78.7	79.0	79.0	79.7	79.7	79.7	79.7	79.7	80.0	80.3
IV 12000		60.3	73.9	77.1	79.0	79.4	80.3	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.6	81.9
IV 10000		62.3	75.8	79.3	81.0	81.3	82.6	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.9	84.2
IV 9000		62.6	76.5	79.7	81.6	81.9	83.2	83.6	83.6	84.2	84.2	84.2	84.2	84.2	84.5	84.8
IV 8000		64.5	79.0	82.9	84.4	85.2	86.5	86.8	86.8	87.4	87.4	87.4	87.4	87.4	87.7	88.1
IV 7000		64.5	79.7	83.6	85.5	85.8	87.1	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.4	88.7
IV 6000		64.8	79.7	83.6	85.5	85.8	87.1	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.4	88.7
IV 5000		64.8	80.0	83.9	85.8	86.1	87.4	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.7	89.0
IV 4500		65.2	80.3	84.2	86.1	86.5	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	89.0	89.4
IV 4000		65.5	81.3	85.2	87.1	87.4	88.7	89.0	89.0	89.7	89.7	89.7	89.7	89.7	90.0	90.3
IV 3500		65.8	81.6	85.5	87.4	87.7	89.0	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.3	90.7
IV 3000		66.5	82.3	86.1	88.0	88.7	90.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.3	91.6
IV 2500		67.1	82.9	86.8	89.0	89.4	91.0	91.3	91.3	91.9	91.9	91.9	91.9	91.9	92.3	92.6
IV 2000		67.4	83.2	87.1	89.4	89.7	91.3	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.6	92.9
IV 1800		67.4	83.2	87.1	89.4	89.7	91.3	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.6	92.9
IV 1500		67.7	84.5	89.0	91.3	91.6	93.2	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.5	94.8
IV 1200		67.7	84.5	89.0	91.3	91.6	93.2	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.5	94.8
IV 1000		68.4	85.8	91.0	93.6	93.9	95.5	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.8	97.1
IV 900		68.4	85.8	91.0	93.6	93.9	95.5	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.8	97.1
IV 800		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.1	97.4
IV 700		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.1	97.4
IV 600		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.1	97.4
IV 500		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.1	97.4
IV 400		68.7	86.1	91.3	93.9	94.2	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.1	97.4
IV 300		68.7	86.1	92.3	95.2	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.4
IV 200		68.7	86.1	92.3	95.2	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.4
IV 100		68.7	86.1	92.3	95.2	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.4
IV 0		68.7	86.1	92.3	95.2	95.5	97.7	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.0	99.4

TOTAL NUMBER OF OBSERVATIONS 110

DIRNA OCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)24  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.2	54.7	64.8	68.7	69.4	71.0	72.3	72.3	73.6	73.9	73.9	74.2	74.2	74.2	75.2
≥ 20000		45.7	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	78.7
IN 18000		45.9	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.5	77.4	77.4	77.4	79.7
IN 16000		45.9	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	79.7
IN 14000		45.9	62.3	67.7	71.6	72.3	73.9	75.2	75.2	76.5	76.8	76.8	77.4	77.4	77.4	79.7
IN 12000		46.9	62.9	68.7	72.3	73.2	74.8	76.3	76.3	77.4	77.7	77.7	78.4	78.4	78.4	79.7
IN 10000		47.2	63.6	69.7	73.4	74.2	76.5	77.7	77.7	79.2	79.4	79.4	80.0	80.0	80.0	81.3
IN 9000		47.7	64.2	70.3	74.2	74.8	77.1	78.4	78.4	79.7	80.0	80.0	80.7	80.7	80.7	81.9
IN 8000		49.7	66.1	72.9	76.8	77.4	79.7	81.0	81.7	82.3	82.6	82.6	83.2	83.2	83.2	84.5
IN 7000		49.7	66.8	73.5	77.4	78.1	80.3	81.9	81.9	83.2	83.6	83.6	84.2	84.2	84.2	85.5
IN 6000		49.7	66.8	73.5	77.4	78.1	80.3	81.9	81.9	83.2	83.6	83.6	84.2	84.2	84.2	85.5
IN 5000		50.7	67.1	73.9	77.7	78.4	80.7	82.3	82.3	83.6	83.9	83.9	84.5	84.5	84.5	85.8
IN 4300		50.7	67.4	74.2	78.1	78.7	81.0	82.6	82.6	83.9	84.2	84.2	84.8	84.8	84.8	86.1
IN 4000		50.7	67.7	74.5	78.7	79.4	81.6	83.2	83.2	84.5	84.8	84.8	85.5	85.5	85.5	86.8
IN 3300		50.7	68.1	74.8	79.7	79.7	81.9	83.6	83.6	84.8	85.2	85.2	85.8	85.8	85.8	87.1
IN 3000		51.3	69.4	76.1	80.7	81.3	83.6	85.2	85.2	86.5	86.8	86.8	87.4	87.4	87.4	88.7
IN 2300		52.6	70.3	77.4	81.9	82.6	85.2	86.8	86.8	88.1	88.4	88.4	89.0	89.0	89.0	90.3
IN 2000		53.9	71.9	79.4	83.9	84.5	87.1	88.7	88.7	90.0	90.3	90.3	91.0	91.0	91.0	92.3
IN 1800		54.2	72.3	79.7	84.3	84.5	87.4	89.0	89.0	90.3	90.7	90.7	91.3	91.3	91.3	92.6
IN 1600		54.5	72.9	80.7	85.2	85.8	88.4	90.0	90.0	91.3	91.6	91.6	92.3	92.3	92.3	93.6
IN 1200		54.5	73.6	81.3	85.8	86.5	89.0	90.7	90.7	91.9	92.3	92.3	92.9	92.9	92.9	94.2
IN 1000		54.2	73.9	81.6	86.1	86.8	89.4	91.0	91.0	92.3	92.6	92.6	93.2	93.2	93.2	94.5
IN 900		55.5	74.2	81.9	86.5	87.1	89.7	91.3	91.3	92.6	92.9	92.9	93.6	93.6	93.6	94.8
IN 800		55.5	74.5	82.6	87.4	88.1	90.7	92.3	92.3	93.6	93.9	93.9	94.5	94.5	94.5	95.8
IN 700		55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	93.9	94.2	94.2	94.8	94.8	94.8	96.1
IN 600		55.5	74.8	82.9	87.7	88.4	91.0	92.6	92.6	94.2	94.5	94.5	95.2	95.2	95.2	96.5
IN 500		55.5	74.8	82.9	88.4	89.0	91.6	93.2	93.2	94.8	95.2	95.2	95.8	95.8	95.8	97.1
IN 400		55.5	74.8	82.9	88.7	89.4	91.9	93.6	93.6	95.2	95.5	95.5	96.1	96.1	96.1	97.4
IN 300		55.5	74.8	83.2	89.0	89.7	92.9	94.5	94.5	96.1	96.5	96.5	97.1	97.1	97.1	98.4
IN 200		55.5	74.8	83.2	89.0	89.7	92.9	94.5	94.5	96.5	96.8	96.8	97.7	97.7	97.7	99.0
IN 100		55.5	74.8	83.2	89.0	89.7	92.9	94.5	94.5	96.5	96.8	96.8	98.1	98.1	98.1	100.0
IN 0		55.5	74.8	83.2	89.0	89.7	92.9	94.5	94.5	96.5	96.8	96.8	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
STATION

HEADQUARTS, 10

STATION NAME

73-52

YEARS

OCT

MONTH

07

HOURS 11 5 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		34.5	47.6	47.7	51.4	51.9	54.2	55.2	55.2	55.5	56.1	56.1	57.1	57.1	59.1	59.7
≥ 20000		37.1	45.3	51.6	56.5	57.1	60.0	61.3	61.3	61.6	62.3	62.3	63.6	63.6	64.5	65.6
IV 18000		37.1	46.1	51.6	56.5	57.1	60.0	61.3	61.3	61.6	62.3	62.3	63.6	63.6	64.5	65.6
IV 16000		37.1	46.1	51.6	56.5	57.1	60.0	61.3	61.3	61.6	62.3	62.3	63.6	63.6	64.5	65.6
IV 14000		37.1	46.1	52.3	57.1	57.7	60.7	61.9	61.9	62.3	62.9	62.9	64.2	64.2	65.2	66.5
IV 12000		38.1	47.1	52.6	57.4	58.1	61.0	62.3	62.3	62.6	63.2	63.2	64.5	64.5	65.5	66.6
IV 10000		39.4	48.4	54.2	59.4	60.0	62.9	64.2	64.2	64.5	65.2	65.2	66.5	66.5	67.4	68.7
IV 9000		39.7	49.0	54.8	60.7	60.7	63.9	65.2	65.2	65.5	66.1	66.1	67.4	67.4	68.4	69.7
IV 8000		42.3	52.7	59.0	64.5	69.5	69.0	70.3	70.3	70.7	71.3	71.3	72.6	72.6	73.6	75.2
IV 7000		43.2	53.7	60.0	65.5	66.5	70.0	71.3	71.3	71.6	72.3	72.3	73.6	73.6	74.5	76.1
IV 6000		43.2	54.7	60.3	66.5	67.4	71.0	72.3	72.3	72.6	73.2	73.2	74.5	74.5	75.5	77.1
IV 5000		43.4	54.9	61.0	67.1	68.1	71.6	72.9	72.9	73.2	73.9	73.9	75.2	75.2	76.1	77.7
IV 4500		45.2	55.8	62.9	69.0	70.0	73.4	74.8	74.8	75.2	75.8	75.8	77.1	77.1	78.1	79.7
IV 4000		46.1	57.7	64.2	70.3	71.3	75.5	76.8	76.8	77.1	77.7	77.7	79.0	79.0	80.0	81.6
IV 3500		46.5	58.1	64.5	70.7	71.6	75.8	77.1	77.1	77.4	78.1	78.1	79.4	79.4	80.3	81.9
IV 3000		47.1	59.4	65.8	72.3	73.6	77.7	79.0	79.0	79.4	80.0	80.0	81.3	81.3	82.3	83.9
IV 2500		48.7	61.3	67.7	74.5	75.8	80.0	81.3	81.3	81.6	82.3	82.3	83.9	83.9	84.8	86.5
IV 2000		49.7	62.3	68.7	75.5	76.8	81.2	82.6	82.6	82.9	83.4	83.6	85.2	85.2	86.1	87.7
IV 1800		49.7	67.6	69.0	75.8	77.1	81.6	82.9	82.9	83.2	83.9	83.9	85.5	85.5	86.5	88.1
IV 1500		50.0	63.6	70.3	77.1	78.4	82.9	84.2	84.2	84.5	85.2	85.2	86.8	86.8	87.7	89.4
IV 1200		51.3	64.8	71.6	78.4	79.7	84.2	85.5	85.5	85.8	86.5	86.5	88.1	88.1	89.0	90.7
IV 1000		52.3	65.9	73.2	80.3	81.6	86.8	88.1	88.1	88.4	89.4	89.4	91.0	91.0	91.9	93.6
IV 900		52.3	66.1	73.6	80.7	81.9	87.1	88.4	88.4	88.7	89.7	89.7	91.3	91.3	92.3	93.9
IV 800		52.3	66.1	73.9	81.0	82.3	87.4	88.7	88.7	89.0	90.0	90.0	91.9	91.9	92.9	94.5
IV 700		52.3	66.1	73.9	81.0	82.3	87.4	88.7	88.7	89.0	90.0	90.0	91.9	91.9	92.9	94.5
IV 600		52.6	66.5	74.5	81.6	82.9	88.1	89.4	89.4	90.0	91.0	91.0	92.9	92.9	93.9	95.5
IV 500		53.2	67.1	75.5	82.4	83.9	89.0	90.3	90.3	91.0	91.9	91.9	93.9	93.9	94.8	96.5
IV 400		53.2	67.1	75.5	82.4	83.9	89.0	90.3	90.3	91.0	91.9	91.9	93.9	93.9	95.2	96.8
IV 300		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	95.8	95.8	97.1	98.7
IV 200		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	95.8	95.8	97.1	98.7
IV 100		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	96.1	96.1	97.4	99.7
IV 0		53.6	67.4	75.8	83.2	84.5	90.3	91.9	91.9	92.6	93.9	93.9	96.1	96.1	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS

316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SEAFORT, SC

STATION NAME

73-72

YEAR

007

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0
NO CEILING	54.0	59.4	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	59.7	64.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 18000	60.0	64.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	60.0	64.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	60.3	64.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 12000	63.0	65.5	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000	63.2	69.1	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	63.9	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	62.1	73.4	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	62.7	75.5	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	69.1	75.4	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	69.4	76.1	78.1	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	70.3	77.4	79.4	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	70.7	77.7	80.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	71.0	78.1	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	71.6	79.4	81.6	82.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	73.2	81.0	83.2	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	75.5	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	75.4	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500	77.1	85.5	88.1	89.4	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	78.4	87.1	89.7	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	80.0	89.0	91.9	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	80.0	89.0	92.3	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	80.0	89.0	92.9	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	80.0	89.4	93.2	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	80.7	90.0	93.9	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	80.7	90.0	94.2	96.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	80.7	90.0	94.2	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 110

DIRN/ VOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

PEARL HARBOR, SC

STATION NAME

73-20

YEARS

OCT

MONTH

13

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IN/IN 18000	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IN/IN 16000	62.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IN/IN 14000	62.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IN/IN 12000	64.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IN/IN 10000	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IN/IN 9000	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IN/IN 8000	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IN/IN 7000	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IN/IN 6000	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IN/IN 5000	75.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IN/IN 4500	75.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN/IN 4000	76.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IN/IN 3500	76.8	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IN/IN 3000	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IN/IN 2500	84.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IN/IN 2000	89.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IN/IN 1800	89.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IN/IN 1500	89.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IN/IN 1200	90.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IN/IN 1000	90.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN/IN 900	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 800	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 700	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 600	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 500	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 400	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 300	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 200	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 100	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IN/IN 0	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
07471STATION NAME  
BEAUFORT, SC

73-82

YEARS

MONTH  
OCTPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 18000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 12000	63.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	70.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 8000	76.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 7000	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 5000	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	82.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4000	82.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 700	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 400	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 300	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 200	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 100	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

97831  
STATIONBLAIFORT, SC  
STATION NAME73-42  
YEARSOCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		60.3	63.2	64.2	64.5	64.9	64.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000		66.1	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000		66.9	70.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000		66.9	70.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		66.9	70.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000		67.4	71.0	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 10000		71.0	74.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000		71.0	75.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000		76.5	81.0	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000		78.7	82.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000		78.7	82.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 5000		80.0	84.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4500		80.7	85.2	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4000		82.6	87.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500		82.6	87.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000		83.9	89.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		85.6	91.0	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		86.5	91.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800		86.5	91.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500		86.5	92.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200		86.6	92.6	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000		87.1	92.9	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		87.1	93.2	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0		87.4	93.9	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
STATION

STA FORT, SC

STATION NAME

73-82

YEARS

CCT

MONTH

HOURS (L &amp; T)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.5	71.3	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 20000	67.4	73.6	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 18000	67.4	73.6	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 16000	67.7	73.9	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 14000	68.1	74.2	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 12000	69.1	75.2	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 10000	70.7	77.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 9000	71.6	79.7	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 8000	74.5	82.6	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 7000	75.8	83.9	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 6000	76.5	84.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 5000	77.1	85.2	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4500	77.7	85.8	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4000	78.4	86.5	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500	78.4	86.5	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3000	80.0	88.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	80.3	89.4	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	81.0	90.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	81.3	90.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	81.6	91.6	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	81.9	91.6	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	82.6	92.3	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.3	57.6	61.9	63.2	63.4	64.0	64.4	64.8	64.9	64.7	64.7	64.9	64.9	64.9	65.1	65.3
≥ 20000	57.5	64.6	66.9	68.4	68.6	69.3	69.6	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.5	70.8
IV 18000	57.1	64.7	67.0	68.5	68.7	69.4	69.8	69.9	70.0	70.2	70.2	70.4	70.4	70.4	70.6	70.9
IV 16000	57.4	64.8	67.1	68.6	68.8	69.4	69.8	69.9	70.1	70.2	70.2	70.4	70.4	70.5	70.7	71.1
IV 14000	59.1	65.1	67.3	68.8	69.7	69.7	70.1	70.1	70.4	70.5	70.5	70.7	70.7	70.8	70.9	71.3
IV 12000	59.3	66.2	68.7	70.2	70.4	71.1	71.4	71.4	71.7	71.8	71.8	72.1	72.1	72.1	72.3	72.6
IV 10000	61.4	68.7	71.3	72.8	73.7	73.8	74.2	74.2	74.4	74.6	74.6	74.8	74.8	74.8	75.7	75.7
IV 9000	62.1	69.4	71.8	73.3	73.7	74.5	74.9	74.9	75.2	75.3	75.3	75.5	75.5	75.5	75.6	76.1
IV 8000	65.5	73.8	76.4	78.1	78.3	79.2	79.5	79.5	79.8	79.9	79.9	80.2	80.2	80.2	80.4	81.7
IV 7000	66.3	74.9	77.9	79.2	79.7	80.6	81.0	81.7	81.8	81.4	81.4	81.7	81.7	81.7	81.9	82.0
IV 6000	66.4	75.1	78.0	79.7	80.0	80.9	81.3	81.3	81.6	81.7	81.7	81.9	81.9	82.0	82.1	82.0
IV 5000	67.5	75.9	78.8	80.5	80.8	81.7	82.1	82.1	82.4	82.5	82.5	82.7	82.7	82.8	82.9	83.0
IV 4500	68.3	76.7	79.7	81.4	81.4	82.5	82.9	82.9	83.2	83.4	83.4	83.6	83.6	83.6	83.6	84.0
IV 4000	69.7	77.7	80.8	82.5	82.3	83.8	84.2	84.3	84.5	84.6	84.6	84.8	84.8	84.9	85.0	85.4
IV 3500	69.3	77.9	81.0	82.8	83.1	84.1	84.5	84.5	84.8	84.9	84.9	85.1	85.1	85.1	85.3	85.7
IV 3000	71.7	80.0	83.1	85.1	85.4	86.5	86.9	86.9	87.1	87.3	87.3	87.5	87.5	87.5	87.7	88.1
IV 2500	72.1	81.9	85.1	87.1	87.5	88.6	89.0	89.0	89.3	89.4	89.4	89.7	89.7	89.7	89.9	90.2
IV 2000	74.3	83.7	87.1	89.1	89.5	90.7	91.1	91.1	91.3	91.5	91.5	91.7	91.7	91.8	91.9	92.3
IV 1800	74.4	83.9	87.3	89.3	89.6	90.8	91.2	91.2	91.5	91.6	91.6	91.9	91.9	91.9	92.1	92.5
IV 1500	75.0	85.1	88.7	90.8	91.1	92.3	92.8	92.8	93.1	93.2	93.2	93.5	93.5	93.5	93.7	94.0
IV 1200	75.8	85.7	89.5	91.6	92.0	93.2	93.6	93.6	93.9	94.0	94.0	94.3	94.3	94.3	94.5	94.9
IV 1000	76.1	86.0	90.7	92.9	93.3	94.6	95.1	95.1	95.4	95.5	95.5	95.8	95.8	95.9	96.0	96.4
IV 900	76.3	86.7	90.9	93.2	93.6	94.9	95.3	95.3	95.6	95.8	95.8	96.1	96.1	96.1	96.3	96.6
IV 800	76.4	86.9	91.2	93.6	94.0	95.4	95.8	95.8	96.1	96.3	96.3	96.6	96.6	96.6	96.9	97.1
IV 700	76.4	87.0	91.4	93.8	94.2	95.7	96.1	96.1	96.4	96.5	96.5	96.9	96.9	96.9	97.1	97.4
IV 600	76.5	87.2	91.7	94.2	94.6	96.1	96.5	96.5	96.9	97.1	97.1	97.4	97.4	97.4	97.6	97.9
IV 500	76.6	87.3	91.9	94.6	95.1	96.5	96.9	96.9	97.3	97.5	97.5	97.8	97.8	97.9	98.0	98.4
IV 400	76.5	87.3	92.0	94.8	95.2	96.8	97.2	97.2	97.6	97.8	97.8	98.1	98.1	98.2	98.4	98.7
IV 300	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.2	98.5	98.5	98.8	98.8	98.8	99.0	99.4
IV 200	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.4	98.6	98.6	99.0	99.0	99.0	99.2	99.7
IV 100	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.4	98.6	98.6	99.1	99.1	99.2	99.4	99.9
IV 0	76.7	87.3	92.1	95.1	95.6	97.4	97.9	97.9	98.4	98.6	98.6	99.1	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
97511

STATION NAME  
ASHEVILLE, NC

YEARS  
77-81

MONTH  
01

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		49.3	50.7	62.3	64.7	64.3	64.3	64.3	64.3	64.7	65.7	65.3	65.3	65.3	65.7	67.3
≥ 20000		50.7	60.3	63.3	65.3	65.7	65.7	65.7	65.7	66.0	66.3	66.3	66.7	66.7	67.7	69.7
IV 18000		50.7	60.3	63.3	65.3	65.7	65.7	65.7	65.7	66.0	66.3	66.3	66.7	66.7	67.7	69.7
IV 16000		51.3	61.0	63.3	65.3	66.0	66.0	66.0	66.0	66.3	66.7	66.7	67.0	67.0	67.7	69.7
IV 14000		51.3	61.0	63.3	65.3	66.0	66.0	66.0	66.0	66.3	66.7	66.7	67.0	67.0	67.7	69.7
IV 12000		52.3	62.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 10000		52.3	62.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 9000		53.3	63.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 8000		53.3	63.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 7000		54.3	64.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 6000		55.3	65.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 5000		56.3	66.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 4500		57.3	67.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 4000		58.3	68.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 3500		59.3	69.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 3000		60.3	70.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 2500		61.3	71.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 2000		62.3	72.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 1800		63.3	73.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 1600		64.3	74.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 1400		65.3	75.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 1200		66.3	76.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 1000		67.3	77.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 900		68.3	78.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 800		69.3	79.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 700		70.3	80.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 600		71.3	81.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 500		72.3	82.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 400		73.3	83.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 300		74.3	84.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 200		75.3	85.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 100		76.3	86.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7
IV 0		77.3	87.3	65.3	67.3	67.7	67.7	67.7	67.7	68.0	68.3	68.3	68.7	68.7	69.7	70.7

TOTAL NUMBER OF OBSERVATIONS 306

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

W 4 17027, SC

STATION NAME

YEARS

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)74  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	50.3	55.7	59.3	59.7	60.7	61.7	61.7	63.0	63.0	63.0	63.7	63.7	64.3	64.3	66.0
IV 20000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	66.7	68.3
IV 18000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	66.7	68.3
IV 16000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.0	65.3	65.3	66.0	66.0	66.7	66.7	68.3
IV 14000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.3	65.7	65.7	66.3	66.3	67.0	67.0	68.7
IV 12000		42.7	52.0	57.3	61.0	61.3	62.3	63.3	63.3	65.3	65.7	65.7	66.3	66.3	67.0	67.0	68.7
IV 10000		43.3	53.3	58.7	62.3	62.7	63.7	64.7	64.7	66.3	66.7	66.7	67.3	67.3	68.0	68.0	69.7
IV 9000		43.7	53.7	59.0	62.7	63.0	64.0	65.0	65.7	66.7	67.0	67.0	67.7	67.7	68.3	68.3	70.0
IV 8000		46.3	57.7	63.7	67.3	67.7	69.0	70.0	70.0	71.7	72.0	72.0	72.7	72.7	73.3	73.3	75.0
IV 7000		46.7	58.0	64.0	67.7	68.0	69.3	70.3	70.3	72.0	72.3	72.3	73.0	73.0	73.7	73.7	75.3
IV 6000		46.7	58.0	64.0	67.7	68.0	69.3	70.3	70.3	72.0	72.3	72.3	73.0	73.0	73.7	73.7	75.3
IV 5000		48.7	60.3	66.3	70.0	70.3	71.7	72.7	72.7	74.3	74.7	74.7	75.3	75.3	76.0	76.0	77.7
IV 4500		49.3	61.0	67.0	70.7	71.0	72.3	73.3	73.3	75.0	75.3	75.3	76.0	76.0	76.7	76.7	78.3
IV 4000		51.7	63.7	69.7	73.7	74.0	75.3	76.3	76.3	78.0	78.3	78.3	79.0	79.0	79.7	79.7	81.3
IV 3500		53.0	65.0	71.0	75.0	75.3	76.7	77.7	77.7	79.3	79.7	79.7	80.3	80.3	81.0	81.0	82.7
IV 3000		55.7	67.0	73.0	77.0	77.3	78.7	79.7	79.7	81.3	81.7	81.7	82.3	82.3	83.0	83.0	84.7
IV 2500		55.3	67.7	73.7	77.7	78.0	79.3	80.3	80.3	82.0	82.3	82.3	83.0	83.0	83.7	83.7	85.3
IV 2000		55.7	68.3	75.0	79.0	79.3	81.0	82.0	82.3	83.7	84.0	84.0	84.7	84.7	85.3	85.3	87.0
IV 1800		55.7	68.7	75.3	79.3	79.7	81.3	82.3	82.3	84.0	84.3	84.3	85.0	85.0	85.7	85.7	87.3
IV 1500		55.7	69.0	75.7	79.7	80.0	82.0	83.0	83.0	84.7	85.0	85.0	85.7	85.7	86.3	86.3	88.0
IV 1200		56.3	69.7	76.3	80.3	80.7	82.7	83.7	83.7	85.3	85.7	85.7	86.3	86.3	87.0	87.0	88.7
IV 1000		57.0	70.3	77.0	81.0	81.7	83.7	84.7	84.7	86.3	86.7	86.7	87.3	87.3	88.0	88.0	89.7
IV 900		57.0	70.3	77.0	81.0	81.7	83.7	84.7	84.7	86.3	86.7	86.7	87.3	87.3	88.0	88.0	89.7
IV 800		57.0	70.3	77.0	81.0	81.7	83.7	84.7	84.7	86.3	86.7	86.7	87.3	87.3	88.0	88.0	89.7
IV 700		57.0	70.3	77.3	82.0	83.0	85.0	86.0	86.0	87.7	88.0	88.0	89.0	89.0	89.7	89.7	91.3
IV 600		57.3	71.0	78.0	83.3	84.3	86.3	87.3	87.3	89.0	89.3	89.3	90.3	90.3	91.0	91.0	92.7
IV 500		57.7	71.3	78.3	83.7	84.7	86.7	87.7	87.7	89.3	89.7	89.7	90.7	90.7	91.3	91.3	93.0
IV 400		57.7	71.7	78.7	84.7	85.0	88.7	89.7	89.7	91.7	92.0	92.0	93.0	93.0	93.7	93.7	95.3
IV 300		57.7	71.7	78.7	84.7	85.0	88.7	89.0	89.0	92.7	93.0	93.0	94.0	94.0	94.7	94.7	97.7
IV 200		57.7	71.7	78.7	85.0	86.3	89.3	90.7	90.7	93.3	93.3	93.3	94.3	94.3	94.3	95.7	99.0
IV 100		57.7	71.7	78.7	85.0	86.3	89.3	90.7	90.7	93.3	93.3	93.3	94.3	94.3	94.3	95.7	99.3
IV 0		57.7	71.7	78.7	85.0	86.3	89.3	90.7	90.7	93.3	93.3	93.3	94.3	94.3	94.3	95.7	99.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

93671  
STATION

BEAUFORT, SC  
STATION NAME

73-52  
YEAR

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		83.7	39.7	42.0	45.3	45.7	46.3	47.3	47.3	49.3	49.0	49.3	50.7	50.7	51.0	53.0
IN 20000		35.7	41.7	45.3	40.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 18000		35.7	41.7	45.3	40.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 16000		35.7	41.7	45.3	40.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 14000		35.7	41.7	45.3	40.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 12000		35.7	41.7	45.3	40.3	49.7	50.3	51.3	51.7	53.0	53.7	54.0	55.3	55.3	55.7	58.0
IN 10000		36.7	44.0	49.3	52.3	52.7	53.3	54.3	54.7	56.0	56.7	57.0	58.3	58.3	58.7	61.0
IN 9000		37.7	45.0	49.7	53.7	54.0	55.0	56.0	56.3	57.7	58.3	58.7	60.0	60.0	60.3	62.7
IN 8000		40.3	47.3	53.7	58.0	58.7	59.7	60.7	61.0	62.7	63.3	63.7	65.3	65.3	65.7	68.3
IN 7000		41.0	47.0	54.3	58.7	59.7	60.3	61.3	61.7	63.3	64.0	64.3	66.0	66.0	66.3	69.0
IN 6000		41.0	47.0	54.3	58.7	59.7	60.7	61.7	62.0	63.7	64.3	64.7	66.3	66.3	66.7	69.3
IN 5000		42.7	51.3	56.7	61.3	62.3	63.7	64.7	65.0	66.7	67.3	67.7	69.3	69.3	69.7	72.7
IN 4500		43.0	52.3	57.7	62.3	63.3	64.7	65.7	66.2	67.7	68.3	68.7	70.3	70.3	70.7	73.7
IN 4000		44.7	54.7	60.0	64.7	65.7	67.0	68.0	68.3	70.0	70.7	71.3	72.7	72.7	73.3	76.0
IN 3500		45.0	55.0	60.7	65.3	66.3	67.7	68.7	69.0	70.7	71.3	71.7	73.3	73.3	73.7	76.7
IN 3000		47.3	59.3	64.3	69.0	70.0	71.3	72.3	72.7	74.7	75.3	75.7	77.0	77.0	78.3	81.3
IN 2500		48.3	60.0	66.0	70.7	71.7	73.0	74.0	74.3	76.3	77.3	77.3	79.7	79.7	80.0	83.0
IN 2000		48.7	61.0	67.0	72.0	73.0	74.3	75.3	75.7	77.7	78.3	79.7	81.0	81.0	81.3	84.3
IN 1800		48.7	61.0	67.0	72.0	73.3	74.7	75.7	76.0	78.0	78.7	79.0	81.3	81.3	81.7	84.7
IN 1500		49.3	61.7	67.7	72.7	74.7	76.0	77.0	77.3	79.3	80.0	80.3	82.7	82.7	83.0	86.0
IN 1200		49.3	61.7	67.7	72.7	74.7	76.0	77.0	77.3	79.3	80.0	80.3	82.7	82.7	83.0	86.0
IN 1000		50.0	62.7	68.7	73.7	76.0	77.3	78.3	78.7	80.7	81.3	81.7	84.3	84.3	84.7	87.7
IN 900		50.0	62.7	68.7	74.0	76.3	77.7	78.7	79.0	81.0	81.7	82.0	84.7	84.7	85.0	88.0
IN 800		50.0	63.0	69.0	74.7	77.0	78.3	79.3	79.7	81.7	82.3	82.7	85.3	85.3	85.7	88.7
IN 700		50.7	63.7	69.7	76.0	78.3	79.7	80.7	81.7	83.0	83.7	84.0	86.7	86.7	87.0	90.0
IN 600		50.7	64.0	70.3	76.7	79.0	80.3	81.3	81.7	84.3	85.0	85.3	88.0	88.0	88.3	91.3
IN 500		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	85.7	86.3	86.7	89.3	89.3	89.7	92.7
IN 400		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	86.0	86.7	87.0	90.0	90.0	90.3	93.3
IN 300		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	86.3	87.0	87.3	90.7	91.0	91.3	94.3
IN 200		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	87.3	88.7	89.0	93.0	93.7	94.0	97.7
IN 100		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	87.7	89.0	89.3	93.7	94.3	95.0	99.7
IN 0		50.7	64.3	71.3	77.7	80.0	81.3	82.3	82.7	87.7	89.0	89.3	94.0	94.7	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

97671  
STATIONSPANFORD, SC  
STATION NAME73-42  
YEARSNOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		49.7	52.3	55.0	58.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	53.7
≥ 20000		53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000		53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000		53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000		53.3	57.0	59.7	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000		53.3	57.0	60.0	60.7	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000		56.3	60.3	63.0	63.7	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 9000		56.7	60.7	63.3	64.0	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000		59.7	64.7	67.3	68.3	69.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000		50.7	65.7	68.3	69.3	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000		61.3	66.0	68.7	69.7	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000		61.3	66.7	70.0	71.0	72.0	72.3	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4500		62.3	67.7	71.3	72.3	73.3	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4000		64.3	70.3	74.0	75.0	76.0	76.3	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500		64.3	70.3	74.0	75.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000		67.7	74.0	78.7	80.0	81.3	81.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500		68.3	75.7	80.7	82.0	83.3	83.7	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000		69.0	76.3	81.3	82.7	84.0	84.3	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800		69.0	76.3	81.3	82.7	84.0	84.3	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500		70.0	77.7	83.0	84.3	85.7	86.3	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200		70.0	77.7	83.0	84.3	86.0	86.7	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000		70.7	78.7	85.3	87.0	88.7	89.3	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900		70.7	78.7	85.3	87.7	89.3	90.0	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800		71.0	79.7	86.3	89.0	91.0	91.7	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 700		71.0	79.7	86.3	89.0	91.0	91.7	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 600		71.0	79.7	86.3	89.3	91.3	92.0	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500		71.0	79.7	86.7	91.0	93.0	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400		71.3	80.0	87.0	91.3	93.3	94.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.7	96.7
IV 300		71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.3	97.3
IV 200		71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.7	98.0	98.0	98.0	98.0	98.7	99.0
IV 100		71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.7	98.0	98.0	98.0	98.7	99.7	100.0
IV 0		71.3	80.0	87.0	91.7	93.7	95.0	96.7	96.7	97.7	98.0	98.0	98.7	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
VTAT

PEARLPORT, SC

STATION NAME

73-12

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		49.3	57.7	50.7	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000		57.0	59.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000		60.7	62.3	62.3	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 9000		60.7	62.7	62.7	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000		66.7	69.3	69.3	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000		67.7	70.3	70.3	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000		67.7	70.3	70.3	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000		64.7	71.3	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500		69.7	73.3	72.3	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000		71.7	74.3	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500		72.7	75.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000		74.3	78.7	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500		77.3	81.7	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000		79.7	84.3	85.3	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800		80.0	85.0	86.0	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1500		82.3	89.3	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200		83.0	89.3	90.3	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000		84.0	90.7	91.7	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900		84.7	91.7	93.3	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800		85.0	92.3	94.7	96.0	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700		85.0	92.3	94.7	96.3	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		85.7	92.3	95.0	96.7	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		85.0	92.3	95.7	97.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 100		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 0		85.0	92.3	95.7	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

07811  
STATION

SEA-FORT, SC  
STATION NAME

73-82  
YEAR

NCV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	59.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	59.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	59.7	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	60.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	60.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	62.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 9000	62.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	70.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	71.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	71.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 5000	72.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	74.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	75.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	75.3	79.0	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	78.3	81.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	80.3	84.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2000	84.0	86.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	84.3	89.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	85.7	90.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	86.7	91.0	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	86.7	92.0	93.7	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	86.7	92.3	94.3	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	86.7	92.3	94.3	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	87.0	93.0	95.0	96.0	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	87.3	93.3	95.3	96.3	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	88.0	94.0	96.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
93431STATION NAME  
STA: FORT, SCYEAR  
73-82MONTH  
NOVPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	59.3	63.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	63.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	64.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	64.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	64.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	65.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	67.3	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	67.3	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	71.7	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 7000	72.3	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000	72.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000	73.7	80.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	75.3	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	77.0	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	77.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	80.0	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	80.7	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	81.7	90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	82.3	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	83.0	91.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	83.3	92.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	83.3	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	83.3	92.3	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800	83.3	92.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	83.3	92.7	94.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	83.3	92.7	95.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	83.3	92.7	95.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	83.3	92.7	95.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	83.3	92.7	95.3	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	83.3	92.7	95.7	97.3	97.3	97.3	97.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	83.3	92.7	95.7	97.3	97.3	97.3	97.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	83.3	92.7	95.7	97.3	97.3	97.3	97.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

BEAUFORT, NC

STATION NAME

73-72

YEARS

NCV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	57.2	64.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6	68.9
≥ 20000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9	71.2
IV 18000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9	71.2
IV 16000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9	71.2
IV 14000	58.9	66.4	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.9	71.2
IV 12000	59.5	67.2	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.6	71.9
IV 10000	60.4	68.9	72.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2	73.6
IV 9000	60.4	68.9	72.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2	73.6
IV 8000	65.2	73.2	76.4	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.9
IV 7000	65.4	73.6	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.9	78.2
IV 6000	65.2	73.9	77.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.3	78.6
IV 5000	66.4	74.9	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.3	79.6
IV 4500	67.2	76.3	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.6	80.9
IV 4000	69.4	77.9	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9
IV 3500	70.6	78.9	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.6	83.9
IV 3000	73.6	82.3	85.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.0	87.3
IV 2500	74.3	83.3	86.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.3	88.6
IV 2000	78.6	88.3	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.6
IV 1800	78.6	88.3	87.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.3
IV 1500	78.6	88.6	88.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.9
IV 1200	75.3	85.3	89.0	91.6	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3	92.6
IV 1000	75.6	86.0	89.6	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.7
IV 900	75.6	86.0	89.6	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.7
IV 800	75.6	86.0	89.6	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.7
IV 700	75.6	86.0	90.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.3	94.3
IV 600	75.6	86.0	90.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.7
IV 500	75.6	86.3	91.6	94.7	95.0	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.7
IV 400	75.6	86.3	91.6	95.0	95.7	96.3	96.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.7	98.0
IV 300	75.6	86.3	92.0	95.7	96.3	97.0	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.7	99.0
IV 200	75.6	86.3	92.0	95.7	96.3	97.7	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
IV 100	75.6	86.3	92.0	95.7	96.3	97.7	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
IV 0	75.6	86.3	92.0	95.7	96.3	97.7	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
22811STATION NAME  
BEAUFORT, SCYEARS  
73-92NCV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.1	49.1	54.3	56.6	57.9	58.1	58.3	58.6	58.6	58.9	59.0	59.1	59.4	59.4	59.6	60.2
IV 20000	.1	52.4	58.3	60.7	62.2	62.4	62.6	62.9	62.9	63.4	63.5	63.6	63.9	63.9	64.1	64.8
IV 18000	.1	52.7	58.4	60.8	62.2	62.4	62.7	63.0	63.0	63.4	63.6	63.7	63.9	63.9	64.2	64.9
IV 16000	.1	52.7	58.4	60.9	62.3	62.5	62.7	63.0	63.1	63.5	63.7	63.7	64.0	64.0	64.2	64.9
IV 14000	.1	52.6	58.4	61.0	62.4	62.7	62.9	63.2	63.2	63.7	63.8	63.9	64.2	64.2	64.4	65.1
IV 12000	.1	53.3	59.1	61.9	62.9	63.1	63.4	63.7	63.7	64.1	64.3	64.3	64.6	64.6	64.9	65.6
IV 10000	.1	55.0	61.1	63.6	65.0	65.2	65.4	65.7	65.8	66.2	66.4	66.4	66.7	66.7	66.9	67.7
IV 9000	.1	55.3	61.2	63.9	65.3	65.5	65.8	66.1	66.1	66.5	66.7	66.7	67.0	67.0	67.3	68.0
IV 8000	.1	59.4	66.3	69.2	70.7	71.0	71.3	71.6	71.7	72.1	72.3	72.3	72.7	72.7	72.9	73.7
IV 7000	.1	60.1	67.1	70.0	71.5	71.8	72.2	72.5	72.5	73.1	73.1	73.2	73.5	73.5	73.7	74.5
IV 6000	.1	60.2	67.3	70.2	71.7	72.0	72.4	72.7	72.7	73.2	73.4	73.4	73.7	73.7	74.0	74.7
IV 5000	.1	61.3	68.7	71.7	73.3	73.7	74.1	74.4	74.4	74.9	75.1	75.1	75.5	75.5	75.7	76.5
IV 4500	.1	62.4	69.9	72.9	74.5	74.8	75.2	75.5	75.6	76.1	76.2	76.3	76.6	76.6	76.9	77.7
IV 4000	.1	64.2	71.9	75.0	76.6	77.0	77.4	77.7	77.7	78.2	78.4	78.4	78.7	78.7	79.0	79.6
IV 3500	.1	64.7	72.4	75.7	77.4	77.8	78.2	78.5	78.5	79.0	79.2	79.2	79.6	79.6	79.8	80.6
IV 3000	.1	67.1	74.4	78.9	80.6	81.0	81.4	81.7	81.8	82.3	82.5	82.5	83.0	83.0	83.2	84.0
IV 2500	.1	68.4	77.1	80.6	82.4	82.8	83.2	83.5	83.6	84.2	84.3	84.4	84.8	84.8	85.0	85.8
IV 2000	.1	69.5	78.6	82.3	84.1	84.5	85.0	85.3	85.4	86.0	86.1	86.2	86.6	86.6	86.8	87.6
IV 1800	.1	69.7	78.9	82.6	84.5	85.0	85.5	85.8	85.9	86.4	86.6	86.6	87.0	87.0	87.3	88.1
IV 1500	.1	70.6	80.2	84.0	86.0	86.6	87.2	87.6	87.6	88.2	88.4	88.4	88.8	88.8	89.1	89.9
IV 1200	.1	70.9	80.6	84.5	86.7	87.3	88.0	88.3	88.3	88.9	89.1	89.1	89.5	89.5	89.9	90.6
IV 1000	.1	71.5	81.4	85.5	88.0	88.0	89.4	89.8	89.8	90.4	90.5	90.6	91.0	91.0	91.3	92.1
IV 900	.1	71.9	81.6	85.9	88.5	89.3	90.0	90.3	90.3	90.9	91.1	91.1	91.6	91.6	91.8	92.6
IV 800	.1	71.6	81.9	86.3	89.2	90.0	90.7	91.0	91.1	91.7	91.8	91.9	92.4	92.4	92.6	93.4
IV 700	.1	71.7	82.1	86.6	89.4	90.9	91.2	91.6	91.7	92.3	92.4	92.5	93.0	93.0	93.2	94.0
IV 600	.1	71.8	82.3	87.0	90.2	91.1	91.8	92.3	92.3	93.0	93.1	93.2	93.7	93.7	94.0	94.9
IV 500	.1	72.0	82.5	87.6	91.0	92.0	92.8	93.3	93.4	94.1	94.3	94.3	94.8	94.8	95.1	95.9
IV 400	.1	72.0	82.6	87.7	91.3	92.3	93.3	94.0	94.0	95.0	95.2	95.2	95.8	95.8	96.1	96.9
IV 300	.1	72.0	82.7	87.7	91.5	92.6	93.7	94.5	94.5	95.6	95.8	95.8	96.5	96.5	97.0	97.8
IV 200	.1	72.3	82.7	87.8	91.6	92.7	93.8	94.8	94.8	96.2	96.4	96.4	97.4	97.3	98.0	98.9
IV 100	.1	72.3	82.7	87.8	91.6	92.7	93.8	94.8	94.9	96.3	96.7	96.8	97.7	97.9	98.4	99.7
IV 0	.1	72.0	82.7	87.8	91.6	92.7	93.8	94.8	94.9	96.3	96.7	96.8	97.8	97.9	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

93871  
STATIONFORT, SC  
STATION NAME73-22  
YEARSDSC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		49.7	54.4	57.1	57.4	57.4	59.0	59.0	59.0	59.4	59.7	59.7	60.0	60.0	60.0	60.7
≥ 20000		52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.8
IV 18000		52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.8
IV 16000		52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.8
IV 14000		52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.8
IV 12000		52.6	58.4	60.7	61.0	61.0	62.9	62.9	62.9	63.2	63.9	63.9	64.2	64.2	64.2	64.8
IV 10000		54.5	60.7	62.9	62.9	62.9	64.8	64.8	64.8	65.2	65.8	65.8	66.1	66.1	66.1	66.8
IV 9000		54.5	60.7	62.9	62.9	62.9	64.8	64.8	64.8	65.2	65.8	65.8	66.1	66.1	66.1	66.8
IV 8000		58.1	64.5	67.4	67.7	67.7	69.7	69.7	69.7	70.3	71.0	71.0	71.3	71.3	71.3	71.9
IV 7000		59.7	66.5	69.4	69.7	69.7	71.4	71.4	71.4	72.3	72.9	72.9	73.2	73.2	73.2	73.9
IV 6000		60.7	67.4	70.3	70.7	70.7	72.6	72.6	72.6	73.2	73.9	73.9	74.2	74.2	74.2	74.8
IV 5000		60.7	67.4	70.3	70.7	70.7	72.6	72.6	72.6	73.2	73.9	73.9	74.2	74.2	74.2	74.8
IV 4300		61.3	68.4	71.3	71.6	71.6	73.6	73.6	73.6	74.2	74.8	74.8	75.2	75.2	75.2	75.8
IV 4000		62.6	69.7	72.6	72.9	72.9	74.8	74.8	74.8	75.5	76.1	76.1	76.5	76.5	76.5	77.1
IV 3500		63.2	70.3	73.6	74.2	74.2	76.1	76.1	76.1	76.8	77.4	77.4	77.7	77.7	77.7	78.4
IV 3000		64.5	72.6	76.1	77.1	77.1	79.0	79.0	79.0	79.7	80.3	80.3	80.7	80.7	80.7	81.3
IV 2500		66.1	74.5	78.7	79.7	79.7	81.6	81.6	81.6	82.3	82.9	82.9	83.2	83.2	83.2	83.9
IV 2000		66.8	75.2	79.7	80.7	80.7	82.9	82.9	82.9	83.6	84.2	84.2	84.5	84.5	84.5	85.2
IV 1800		66.8	75.2	79.7	80.7	80.7	82.9	82.9	82.9	83.6	84.2	84.2	84.5	84.5	84.5	85.2
IV 1500		68.4	77.1	81.9	83.2	83.2	85.5	85.5	85.5	86.1	86.8	86.8	87.1	87.1	87.1	87.7
IV 1200		68.4	77.1	81.9	83.2	83.2	85.5	85.5	85.5	86.1	86.8	86.8	87.1	87.1	87.1	87.7
IV 1000		68.4	77.1	81.9	83.2	83.2	85.5	85.5	85.5	86.1	86.8	86.8	87.1	87.1	87.1	87.7
IV 900		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 800		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 700		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 600		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 500		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 400		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 300		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 200		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 100		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3
IV 0		68.7	77.7	84.2	86.1	86.1	89.0	89.0	89.0	89.7	90.3	90.3	90.7	90.7	90.7	91.3

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

97571

OFF FORT, SC

73-92

DEC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.3	47.7	52.6	53.2	53.2	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.8	55.8	56.1
≥ 20000		47.1	51.7	54.8	55.2	55.5	56.5	57.1	57.8	58.8	58.7	58.7	59.0	59.0	59.4	60.3
18000		47.4	51.7	55.2	55.8	55.8	56.8	57.4	57.7	58.7	59.0	59.0	59.4	59.4	59.7	60.7
16000		47.4	51.7	55.2	55.8	55.8	56.8	57.4	57.7	58.7	59.0	59.0	59.4	59.4	59.7	60.7
14000		47.7	51.3	55.5	56.1	56.1	57.1	57.7	58.1	59.1	59.7	59.4	59.4	59.7	60.0	61.0
12000		48.7	52.3	56.8	57.1	57.1	58.1	58.7	59.0	60.0	60.3	60.3	60.7	60.7	61.0	61.9
10000		51.6	53.8	60.0	60.7	60.7	61.6	62.3	62.6	63.6	63.9	63.9	64.2	64.2	64.5	65.5
9000		51.6	55.8	60.0	60.7	60.7	61.6	62.3	62.6	63.6	63.9	63.9	64.2	64.2	64.5	65.5
8000		54.2	58.7	62.9	63.9	63.9	64.8	65.5	65.8	66.8	67.1	67.1	67.4	67.4	67.7	68.7
7000		55.7	60.0	64.8	65.8	65.8	66.8	67.4	67.7	68.7	69.0	69.0	69.4	69.4	69.7	70.7
6000		56.1	61.0	66.1	67.1	67.1	68.1	68.7	69.0	70.0	70.3	70.3	70.7	70.7	71.0	71.9
5000		57.4	62.3	67.7	69.0	69.0	70.0	70.7	71.0	71.9	72.3	72.3	72.6	72.6	72.9	73.9
4500		57.4	62.6	68.4	69.7	69.7	70.7	71.3	71.6	72.6	72.9	72.9	73.2	73.2	73.6	74.5
4000		58.1	63.9	69.7	71.0	71.0	71.9	72.6	72.9	73.9	74.2	74.2	74.5	74.5	74.8	75.8
3500		59.0	65.2	71.0	72.3	72.3	73.2	73.9	74.2	75.2	75.5	75.5	75.8	75.8	76.1	77.1
3000		60.0	66.5	72.9	74.5	74.5	75.5	76.1	76.5	77.4	77.7	77.7	78.1	78.1	78.4	79.4
2500		60.7	67.4	73.9	75.8	75.8	76.8	77.4	77.7	78.7	79.0	79.0	79.4	79.4	79.7	80.7
2000		61.9	69.0	76.1	78.1	78.1	79.0	80.0	80.3	81.3	81.6	81.6	81.9	81.9	82.3	83.6
1800		62.3	69.4	76.8	78.4	78.4	79.4	80.3	80.7	81.6	81.9	81.9	82.3	82.3	82.6	83.9
1500		63.6	71.3	78.7	80.7	80.7	81.9	82.9	83.2	84.2	84.5	84.5	84.8	84.8	85.2	86.5
1200		63.6	71.3	78.7	80.7	80.7	81.9	82.9	83.2	84.2	84.5	84.5	84.8	84.8	85.2	86.5
1000		64.2	72.3	80.0	82.6	82.6	83.9	85.2	85.5	86.5	86.8	86.8	87.1	87.1	87.4	88.7
900		64.2	72.3	80.0	82.6	82.6	83.9	85.2	85.5	86.5	86.8	86.8	87.1	87.1	87.4	88.7
800		64.5	72.6	80.3	83.2	83.2	84.5	85.2	85.5	86.5	86.8	86.8	87.1	87.1	87.4	88.7
700		64.8	72.9	81.0	84.5	84.5	85.8	86.5	86.8	87.7	88.1	88.1	88.4	88.4	88.7	89.7
600		64.8	72.9	81.0	84.5	84.5	85.8	86.5	86.8	87.7	88.1	88.1	88.4	88.4	88.7	89.7
500		64.8	72.9	81.0	84.5	84.5	85.8	86.5	86.8	87.7	88.1	88.1	88.4	88.4	88.7	89.7
400		65.2	73.9	81.6	85.8	85.8	87.1	87.7	88.4	89.0	89.3	89.3	89.7	89.7	90.0	91.6
300		65.2	73.9	81.6	85.8	85.8	87.1	87.7	88.4	89.0	89.3	89.3	89.7	89.7	90.0	91.6
200		65.2	73.9	81.6	85.8	85.8	87.1	87.7	88.4	89.0	89.3	89.3	89.7	89.7	90.0	91.6
100		65.2	73.9	81.6	85.8	85.8	87.1	87.7	88.4	89.0	89.3	89.3	89.7	89.7	90.0	91.6
0		65.2	73.9	81.6	85.8	85.8	87.1	87.7	88.4	89.0	89.3	89.3	89.7	89.7	90.0	91.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

3541 FORT, SC

STATION NAME

73-42

YEARS

DEC

MONTH

77

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		38.4	41.3	43.6	44.2	44.5	45.2	45.1	45.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20'9C		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
18000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
16000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
14000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
12000		41.6	45.2	47.4	49.4	49.7	50.7	51.6	51.6	52.6	52.9	52.9	52.9	52.9	53.9	54.8
10000		42.6	46.1	48.4	50.3	50.7	51.6	52.9	52.9	53.9	54.2	54.2	54.2	54.2	55.2	56.1
9000		42.6	46.1	48.4	50.3	50.7	51.6	52.9	52.9	53.9	54.2	54.2	54.2	54.2	55.2	56.1
8000		47.4	51.6	54.8	56.8	57.1	59.0	60.3	60.7	61.6	61.9	61.9	61.9	61.9	62.9	63.9
7000		47.4	52.3	55.8	57.7	58.1	60.0	61.3	61.6	62.9	63.2	63.2	63.2	63.2	64.2	65.2
6000		48.4	52.9	56.5	58.4	58.7	60.7	61.9	62.3	63.6	63.9	63.9	63.9	63.9	64.8	65.8
5000		49.4	54.2	58.1	60.0	60.3	62.3	63.6	63.9	65.2	65.5	65.5	65.5	65.5	66.5	67.4
4500		49.4	54.2	58.4	60.0	60.7	62.6	63.9	64.2	65.5	65.8	65.8	65.8	65.8	66.8	67.7
4000		51.3	56.1	60.0	61.9	62.3	64.8	66.1	66.5	67.7	68.1	68.1	68.1	68.1	69.0	70.0
3500		51.3	56.1	60.0	62.6	62.9	65.5	66.8	67.1	68.4	68.7	68.7	68.7	68.7	69.7	70.7
3000		53.7	59.0	63.2	65.8	66.5	69.0	70.3	70.7	71.9	72.3	72.3	72.3	72.3	73.2	74.2
2500		54.8	61.0	65.2	68.1	69.0	71.6	72.9	73.2	74.5	74.8	74.8	74.8	74.8	76.1	77.1
2000		56.5	63.2	67.7	70.7	71.9	74.8	76.5	76.8	78.1	78.4	78.4	78.4	78.4	79.7	80.7
1800		56.5	63.2	67.7	70.7	71.9	74.8	76.5	76.8	78.1	78.4	78.4	78.4	78.4	79.7	80.7
1500		58.1	65.8	71.0	74.2	75.5	78.4	80.0	80.3	81.6	81.9	81.9	81.9	81.9	83.2	84.2
1200		58.4	66.1	71.6	74.8	76.1	79.0	80.7	81.0	82.3	82.6	82.6	82.6	82.6	83.9	84.8
1000		58.7	66.8	72.6	75.8	77.1	80.0	81.6	81.9	83.2	83.6	83.6	83.6	83.6	84.8	85.8
900		59.0	67.1	72.9	76.5	77.7	80.7	82.3	82.6	83.9	84.2	84.2	84.2	84.2	85.5	86.5
800		59.7	67.4	73.9	77.7	79.7	83.2	85.2	85.5	86.8	87.1	87.1	87.1	87.1	88.4	89.0
700		59.7	67.7	74.5	78.4	80.3	84.2	86.1	86.5	87.7	88.1	88.1	88.1	88.1	89.4	90.0
600		59.7	67.7	74.5	78.4	80.3	84.2	86.1	86.5	87.7	88.1	88.1	88.1	88.1	89.4	90.0
500		59.4	68.1	75.2	80.0	81.9	86.5	88.7	89.3	90.3	90.7	90.7	90.7	90.7	91.9	92.6
400		59.7	68.7	76.1	81.0	82.9	87.4	90.0	90.3	91.6	91.9	91.9	91.9	91.9	93.2	94.2
300		59.7	68.7	76.8	81.6	83.6	88.4	91.6	91.9	93.2	93.9	93.9	93.9	93.9	95.2	96.2
200		59.7	68.7	76.8	81.6	83.6	88.4	91.6	91.9	93.2	93.9	93.9	93.9	93.9	95.2	96.2
100		59.7	68.7	76.8	81.6	83.6	88.4	91.6	91.9	93.2	93.9	93.9	93.9	93.9	95.2	96.2
0		59.7	68.7	76.8	81.6	83.6	88.4	91.6	91.9	93.2	93.9	93.9	93.9	93.9	95.2	96.2

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

FLA. FORT, SC

STATION NAME

73-82

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

110  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	41.2	44.5	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	51.6	54.5	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	51.6	54.5	55.2	55.2	55.2	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	51.6	54.5	55.2	55.2	55.2	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	51.6	54.5	55.2	55.2	55.2	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	51.6	54.5	55.2	55.2	55.2	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	53.9	56.8	57.1	57.1	57.1	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	53.9	56.8	57.1	57.1	57.1	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	57.1	60.7	61.0	61.0	61.0	61.6	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	53.9	60.7	62.6	62.6	62.6	63.6	63.6	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	58.1	62.6	62.9	63.6	63.6	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	59.8	63.6	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4300	61.0	65.0	66.1	66.8	66.8	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	63.2	68.1	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3300	63.2	68.1	69.7	70.0	70.0	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	66.1	71.3	71.9	73.2	73.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2500	67.7	73.2	73.9	75.2	75.2	76.1	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	70.0	75.8	76.8	78.1	78.1	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	70.0	75.8	76.8	78.1	78.1	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	71.9	77.7	78.7	80.0	80.0	81.0	81.0	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1200	72.6	79.7	79.7	81.0	81.0	82.3	82.3	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	73.2	79.4	80.7	82.3	82.3	83.6	83.6	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	73.2	79.7	81.3	82.9	82.9	84.2	84.2	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	73.2	80.0	81.6	83.6	83.6	85.2	85.2	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 700	73.6	81.3	83.6	85.0	85.0	87.1	87.1	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	73.6	81.6	83.9	86.0	86.0	87.1	87.1	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 500	73.6	81.6	84.2	88.1	88.1	88.7	88.7	91.3	91.3	92.9	92.9	93.6	93.6	93.9	93.9	93.9
≥ 400	73.9	81.9	85.2	89.7	89.7	89.7	89.7	92.3	92.3	93.9	93.9	94.5	94.5	94.8	94.8	94.8
≥ 300	73.9	82.3	85.5	89.7	89.7	90.0	90.0	93.6	93.6	95.2	95.2	96.5	96.5	96.8	96.8	96.8
≥ 200	73.9	82.3	85.5	89.7	89.7	90.0	90.0	93.6	93.6	95.2	95.2	96.5	96.5	96.8	96.8	96.8
≥ 100	73.9	82.3	85.5	89.7	89.7	90.0	90.0	93.6	93.6	95.2	95.2	96.5	96.5	96.8	96.8	96.8
≥ 0	73.9	82.3	85.5	89.7	89.7	90.0	90.0	93.6	93.6	95.2	95.2	96.5	96.5	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	54.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 9000	54.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 8000	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 6000	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4500	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4000	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 3500	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3000	66.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 2500	73.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1500	79.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1000	81.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 900	81.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 800	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 700	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 600	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 500	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 400	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 300	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 200	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 100	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1957 MONTH: 11 DAY: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 18000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 8000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 7000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 3000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 2000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 900	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 700	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 600	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 400	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 300	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 100	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS: 11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.4	57.7	54.4	54.7	54.7	54.7	54.7	54.7	54.7	55.7	55.0	55.0	55.0	55.0	55.0
≥ 20000		56.3	57.3	57.4	57.9	57.9	57.9	57.9	57.9	57.9	59.7	58.3	58.3	58.3	58.3	58.3
IV 18000		56.3	57.3	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000		56.3	57.3	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000		57.0	57.9	58.6	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2
IV 12000		57.4	58.6	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000		60.7	61.8	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1
IV 9000		60.7	61.8	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1
IV 8000		63.8	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3
IV 7000		64.7	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000		66.3	68.3	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9
IV 5000		68.7	70.8	71.2	71.8	71.8	71.8	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500		69.3	71.5	72.2	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000		70.2	73.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1
IV 3500		72.9	75.4	76.4	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
IV 3000		75.4	78.6	79.6	81.3	80.3	80.3	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500		77.7	81.9	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5
IV 2000		77.7	81.6	82.9	83.8	83.8	84.1	84.1	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800		77.7	81.6	82.9	83.8	83.8	84.1	84.1	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500		79.6	83.3	85.8	86.7	86.7	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200		80.3	84.1	86.4	87.4	87.4	88.0	88.0	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4
IV 1000		81.2	85.4	88.4	89.3	89.3	90.0	90.0	90.0	90.0	90.3	90.6	90.6	90.6	90.6	90.6
IV 900		81.2	85.4	88.4	89.3	89.3	90.0	90.0	90.0	90.0	90.3	90.6	90.6	90.6	90.6	90.6
IV 800		81.6	86.1	89.0	90.0	90.0	90.9	90.9	90.9	90.9	91.3	91.6	91.6	91.6	91.6	91.6
IV 700		81.6	86.1	89.0	90.0	90.0	90.9	90.9	90.9	90.9	91.3	91.6	91.6	91.6	91.6	91.6
IV 600		81.6	86.1	89.0	90.0	90.0	90.9	90.9	90.9	90.9	91.3	91.6	91.6	91.6	91.6	91.6
IV 500		81.6	86.4	90.7	92.9	93.2	94.2	94.2	94.2	94.2	94.8	95.2	95.2	95.2	95.2	95.2
IV 400		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 300		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 200		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 100		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8
IV 0		81.9	86.7	91.3	93.2	93.3	94.5	94.8	94.8	94.8	95.5	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS

109

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
93671STATION NAME  
STAFFORD, SCYEARS  
73-77MONTH  
DECPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)HOURS (L.S.T.)  
22

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	54.7	57.3	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	55.3	56.9	60.2	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 18000	55.3	58.9	60.2	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	55.3	58.9	60.2	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 14000	55.3	59.2	60.5	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	57.7	60.5	61.8	62.1	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	58.9	63.1	64.4	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 9000	58.9	63.1	64.4	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 8000	61.5	64.3	67.6	68.0	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 7000	62.8	66.3	70.2	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 6000	64.1	69.6	71.5	71.8	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	64.4	69.9	71.8	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4500	65.1	70.6	72.5	72.8	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4000	66.3	72.7	74.1	74.4	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3500	68.0	74.1	76.1	76.4	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3000	69.4	76.4	79.6	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2500	72.2	79.0	82.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	72.8	79.9	83.5	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1800	72.8	79.9	83.5	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	73.0	81.3	86.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	73.4	81.9	86.4	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1000	75.1	83.5	89.4	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	75.1	83.5	89.4	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	75.4	83.8	90.3	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	75.7	84.5	91.3	93.5	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	75.7	84.5	91.3	93.5	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	75.7	84.5	91.6	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97831STATION NAME  
SEA FORT, SCYEARS  
73-72MONTHS  
ALLPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (CET)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.2	44.6	49.9	50.2	50.2	50.7	50.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.7
≥ 20000		50.9	53.6	55.0	55.4	55.5	56.1	56.3	56.3	56.6	56.9	56.9	56.9	56.9	57.1	57.5
≥ 18000		51.2	53.9	55.3	55.7	55.7	56.3	56.5	56.6	56.9	57.1	57.1	57.2	57.2	57.4	57.7
≥ 16000		51.2	53.9	55.3	55.7	55.7	56.3	56.5	56.6	56.9	57.1	57.1	57.2	57.2	57.4	57.7
≥ 14000		51.4	54.1	55.5	55.9	56.7	56.6	56.8	56.8	57.1	57.3	57.3	57.4	57.4	57.6	58.0
≥ 12000		52.2	54.9	56.3	56.7	56.8	57.4	57.6	57.7	58.0	58.2	58.2	58.3	58.3	58.5	58.8
≥ 10000		54.2	57.3	58.7	59.2	59.2	59.9	60.1	60.1	60.4	60.7	60.7	60.7	60.7	60.9	61.3
≥ 9000		54.4	57.4	58.8	59.3	59.3	59.9	60.2	60.3	60.5	60.7	60.7	60.7	60.8	61.0	61.3
≥ 8000		58.4	61.9	63.4	64.0	64.1	64.9	65.1	65.2	65.5	65.7	65.7	65.8	65.8	65.7	66.3
≥ 7000		59.8	63.4	65.3	65.9	66.0	66.8	67.0	67.1	67.4	67.7	67.7	67.8	67.8	68.0	68.7
≥ 6000		60.6	64.4	66.3	67.0	67.1	67.8	68.1	68.2	68.5	68.8	68.8	68.9	68.9	69.1	69.4
≥ 5000		61.4	65.4	67.4	68.1	68.2	68.9	69.2	69.3	69.6	69.9	69.9	69.9	69.9	70.1	70.5
≥ 4500		62.3	66.2	67.3	69.0	69.1	69.9	70.1	70.2	70.5	70.8	70.8	70.9	70.9	71.1	71.4
≥ 4000		63.7	68.0	70.1	70.9	71.0	71.8	72.0	72.1	72.5	72.7	72.7	72.8	72.8	73.0	73.3
≥ 3500		64.6	69.2	71.4	72.3	72.3	73.1	73.4	73.5	73.8	74.1	74.1	74.1	74.1	74.3	74.7
≥ 3000		67.2	71.8	74.4	75.3	75.7	76.6	76.8	76.9	77.2	77.5	77.5	77.6	77.6	77.8	78.1
≥ 2500		68.0	74.1	76.6	78.3	78.3	79.1	79.3	79.4	79.8	80.0	80.0	80.1	80.1	80.4	80.7
≥ 2000		70.5	75.3	78.9	80.2	80.5	81.5	81.8	81.9	82.3	82.5	82.5	82.6	82.6	82.9	83.2
≥ 1800		70.6	76.0	79.0	80.3	80.6	81.6	82.0	82.1	82.5	82.7	82.7	82.8	82.8	83.0	83.4
≥ 1500		72.0	77.9	81.2	82.7	83.1	84.1	84.5	84.6	85.0	85.2	85.2	85.3	85.3	85.5	85.9
≥ 1200		72.4	78.4	82.0	82.9	83.2	85.0	85.4	85.5	85.9	86.2	86.2	86.2	86.2	86.5	86.9
≥ 1000		73.2	79.5	83.5	85.3	85.6	86.9	87.4	87.5	87.9	88.1	88.1	88.3	88.3	88.5	88.9
≥ 900		73.4	79.7	83.9	85.7	86.2	87.3	87.9	87.9	88.4	88.7	88.7	88.8	88.8	89.0	89.5
≥ 800		73.6	80.1	84.6	86.7	87.3	88.8	89.4	89.4	89.9	90.2	90.2	90.3	90.3	90.5	91.0
≥ 700		73.8	80.6	85.4	87.8	88.4	90.0	90.6	90.7	91.3	91.5	91.5	91.7	91.7	91.9	92.3
≥ 600		73.9	80.7	85.6	88.3	88.9	90.6	91.3	91.4	92.0	92.3	92.3	92.4	92.4	92.6	93.1
≥ 500		74.0	81.1	86.3	89.6	90.4	92.5	93.3	93.4	94.1	94.3	94.3	94.4	94.4	94.7	95.2
≥ 400		74.1	81.3	86.7	90.1	91.0	93.1	94.1	94.2	95.0	95.2	95.2	95.3	95.3	95.6	96.2
≥ 300		74.1	81.4	87.0	90.4	91.4	93.9	95.1	95.2	96.2	96.5	96.5	96.7	96.7	96.9	97.4
≥ 200		74.1	81.4	87.1	90.6	91.7	94.5	95.7	95.9	97.1	97.5	97.5	97.6	97.6	98.1	99.0
≥ 100		74.1	81.4	87.1	90.6	91.7	94.6	96.0	96.1	97.3	97.8	97.8	98.2	98.2	98.7	99.7
≥ 0		74.1	81.4	87.1	90.6	91.7	94.6	96.0	96.1	97.3	97.8	97.8	98.2	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2478

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
97831STATION NAME  
PEAFORT, SCYEARS  
73-82MONTH  
ALLPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)HOURS (L & T)  
ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.2	44.7	52.4	53.6	53.4	54.2	54.3	54.3	54.5	54.6	54.6	54.6	54.7	54.7	54.8	54.9
≥ 20000	50.4	57.1	60.0	61.4	61.7	62.1	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.8	63.1
18000	50.4	57.3	60.2	61.6	61.9	62.3	62.5	62.5	62.7	62.7	62.8	62.9	62.9	63.0	63.1	63.2
16000	50.4	57.3	60.2	61.6	61.9	62.3	62.5	62.5	62.7	62.7	62.8	62.9	62.9	63.0	63.1	63.2
14000	51.1	57.7	60.6	62.0	62.3	62.7	62.9	62.9	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.6
12000	52.7	58.5	61.8	63.3	63.6	64.0	64.2	64.2	64.4	64.5	64.5	64.6	64.7	64.8	64.8	64.9
10000	54.6	61.8	65.0	66.5	66.8	67.3	67.4	67.5	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.2
9000	54.6	62.1	65.3	66.9	67.1	67.6	67.8	67.8	68.0	68.1	68.1	68.3	68.3	68.4	68.4	68.6
8000	58.4	66.6	70.1	71.8	72.1	72.6	72.8	72.8	73.1	73.1	73.2	73.3	73.3	73.4	73.4	73.6
7000	59.4	67.6	71.2	72.9	73.2	73.8	73.9	74.0	74.2	74.3	74.3	74.4	74.4	74.5	74.5	74.7
6000	59.7	68.0	71.6	73.3	73.7	74.2	74.4	74.4	74.6	74.7	74.7	74.9	74.9	75.0	75.0	75.2
5000	60.4	68.4	72.8	74.3	74.7	75.2	75.4	75.5	75.7	75.8	75.8	75.9	75.9	76.0	76.0	76.2
4500	61.0	69.5	73.2	75.0	75.4	75.9	76.1	76.1	76.4	76.5	76.5	76.6	76.6	76.7	76.7	76.9
4000	61.4	70.5	74.3	76.2	76.6	77.2	77.4	77.4	77.7	77.7	77.7	77.9	77.9	78.0	78.0	78.2
3500	62.4	71.2	75.1	77.0	77.4	78.0	78.2	78.2	78.5	78.6	78.6	78.7	78.7	78.8	78.8	79.1
3000	65.1	74.5	78.8	80.9	81.3	81.9	82.1	82.1	82.4	82.5	82.5	82.6	82.7	82.8	82.8	83.0
2500	67.1	76.9	81.3	83.6	84.0	84.7	84.9	84.9	85.2	85.3	85.3	85.4	85.5	85.6	85.6	85.9
2000	68.7	78.9	83.7	86.0	86.5	87.2	87.5	87.5	87.8	87.9	87.9	88.0	88.1	88.2	88.2	88.6
1800	68.7	79.0	83.8	86.2	86.7	87.5	87.7	87.7	88.0	88.1	88.1	88.2	88.3	88.4	88.4	88.6
1500	70.0	80.9	86.0	88.5	89.1	89.7	90.2	90.2	90.5	90.6	90.6	90.8	90.8	90.9	91.0	91.2
1200	70.4	81.4	86.6	89.3	89.9	90.8	91.0	91.1	91.4	91.5	91.5	91.7	91.7	91.8	91.8	92.0
1000	71.1	82.4	87.9	90.9	91.5	92.5	92.8	92.9	93.2	93.3	93.3	93.5	93.5	93.7	93.7	93.9
900	71.2	82.8	88.2	91.3	91.9	93.0	93.3	93.3	93.7	93.8	93.8	94.0	94.0	94.1	94.1	94.3
800	71.3	82.8	88.6	91.7	92.5	93.6	93.9	93.9	94.3	94.4	94.4	94.6	94.6	94.7	94.7	95.0
700	71.4	83.1	89.0	92.3	93.0	94.2	94.5	94.6	95.0	95.1	95.1	95.3	95.3	95.4	95.4	95.7
600	71.5	83.2	89.3	92.7	93.5	94.7	95.1	95.1	95.4	95.5	95.5	95.7	95.7	95.8	95.8	96.1
500	71.5	83.4	89.7	93.3	94.1	95.5	96.0	96.0	96.5	96.6	96.6	96.7	96.9	96.9	97.1	97.3
400	71.6	83.5	89.9	93.6	94.3	95.8	96.5	96.6	97.2	97.3	97.3	97.5	97.5	97.6	97.8	98.0
300	71.6	83.6	90.0	93.8	94.8	96.4	97.0	97.1	97.7	97.7	97.9	98.2	98.3	98.3	98.4	98.7
200	71.6	83.6	90.0	93.9	94.9	96.6	97.2	97.3	98.0	98.0	98.3	98.7	98.7	98.7	98.9	99.3
100	71.6	83.6	90.0	93.9	94.9	96.6	97.3	97.3	98.1	98.1	98.4	98.9	98.9	98.9	99.2	99.6
0	71.6	83.6	90.0	93.9	94.9	96.6	97.3	97.3	98.1	98.1	98.4	98.9	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 29212

DIRNAVOCEANMET SMOS



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## NOTES

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BEAUFORT, SC

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MAR

**STATION**

STATION NAME

**PERIOD**

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	34.5			19.7						12.3	33.5	5.0	310
	04	32.9			15.5						14.2	37.4	5.5	310
	07	13.5			23.9						23.2	39.4	6.7	310
	10	15.2			24.2						22.9	37.7	6.6	310
	13	12.6			26.1						25.5	35.8	6.7	310
	16	8.7			27.1						26.5	37.7	7.0	310
	19	10.0			30.1						22.7	37.2	6.7	309
	22	30.6			21.6						17.7	30.0	5.2	310
TOTALS		19.8			23.5						20.6	36.1	6.2	2479

NAVWEASERVCOM

## 446

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STATION

STATION NAME

PERIOD

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93231  
STATION

BEAUFORT, SC

**73-82**

MAY  
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PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	31.9			28.7						18.7	20.6	4.6	310
	04	33.9			24.8						20.6	20.6	4.7	310
	07	18.1			24.8						28.4	28.7	6.2	310
	10	17.4			18.7						35.8	28.1	6.6	310
	13	6.5			25.2						40.6	27.7	7.2	310
	16	4.8			26.8						38.1	30.3	7.3	310
	19	10.0			27.4						32.3	30.3	6.8	310
	22	25.5			31.0						21.3	22.3	5.1	310
TOTALS		18.5			25.9						29.5	26.1	6.1	2400

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# SKY COVER

93831 BEAUFORT, SC

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	01	28.0			27.7						22.3	22.0	5.0	300
	04	30.3			27.7						24.7	17.3	4.8	300
	07	9.3			27.7						37.7	25.3	6.8	300
	10	11.3			20.7						45.3	22.7	7.0	300
	13	4.0			24.3						42.7	29.0	7.5	300
	16	4.3			25.7						41.0	29.0	7.4	300
	19	6.0			22.0						40.0	32.0	7.5	300
	22	19.0			33.0						23.7	24.3	5.6	300
TOTALS		14.0			26.1						34.7	25.2	6.8	2400

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73-82

55

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
J.F.P.	01	25.7			33.3						19.0	22.0	4.9	300
	04	25.0			33.0						20.7	21.3	5.0	300
	07	6.7			29.0						36.0	28.3	6.9	300
	10	10.0			22.0						39.0	29.0	7.1	300
	13	4.7			20.7						43.7	31.0	7.7	300
	16	3.7			24.0						41.3	31.0	7.5	300
	19	7.0			26.0						37.3	29.7	7.1	300
	22	18.0			33.7						24.0	24.3	5.6	300
TOTALS		12.6			27.7						32.6	27.1	6.5	2400

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257

STATION

STATION NAME

PERIOD

## NOTES

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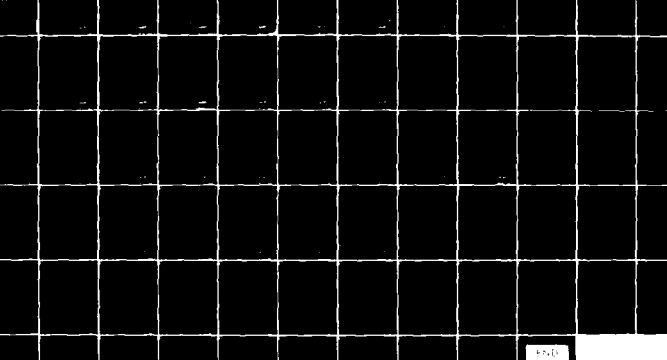
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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
HIAUFORT SOUTH CAROLINA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

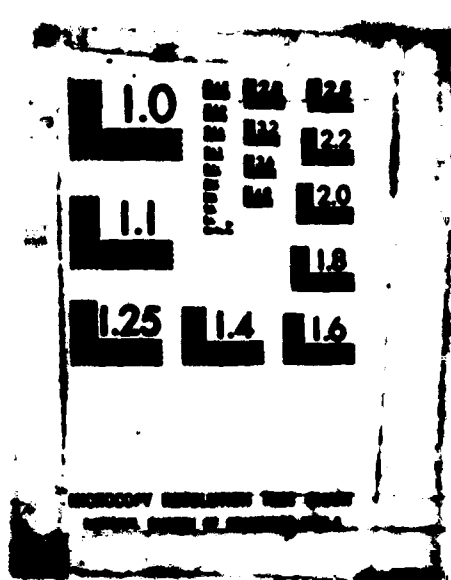
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## SKY COVER

01031 DRAIFORT, SC

**73-82**

NO 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (A.S.T.)	PERCENTAGE FREQUENCY OF READINGS OF TOTAL SKY COVER										MEAN READING OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	92.7			19.7						11.7	26.7	4.3	100
	04	37.7			21.7						11.7	27.0	4.6	100
	07	19.3			27.3						23.3	30.0	5.9	100
	10	26.7			22.3						21.7	30.0	5.6	100
	13	22.0			21.0						24.0	31.0	6.0	100
	16	19.0			20.3						22.7	30.0	5.9	100
	19	27.7			29.0						18.0	25.3	5.0	100
	22	39.1			22.1						14.4	24.4	4.4	299
TOTALS		29.1			24.2						16.7	20.1	5.2	2394

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# SKY COVER

91831 BEAUFORT, SC

73-82

DYC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L&T)	PERCENTAGE FREQUENCY OF TERMS OF TOTAL SKY COVER											MEAN TERMS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	36.8			16.8						14.9	32.3	9.0	310
	04	36.8			16.8						14.9	32.6	9.1	310
	07	18.4			24.8						23.9	32.9	6.2	310
	10	18.7			19.4						24.8	37.1	6.8	310
	13	17.1			19.7						26.5	36.8	6.6	310
	16	15.6			25.5						28.3	30.4	6.4	310
	19	27.2			23.0						14.9	39.0	9.8	309
	22	34.7			19.1						15.2	31.7	9.1	309
TOTAL		25.6			20.6						19.3	34.6	9.0	2478

HAYWEASERVCOM

# SKY COVER

91831 SPAUFORT, SC

73-82

ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENDS OF TOTAL SKY COVER											MEAN TENDS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.2			25.2						18.0	36.6	5.9	2480
FEB		26.6			26.9						17.3	31.6	5.5	2256
MAR		19.8			23.5						20.6	36.1	6.2	2479
APR		26.6			23.6						23.1	25.0	5.3	2400
MAY		18.5			29.9						29.3	26.1	6.1	2480
JUN		16.0			26.1						34.7	25.2	6.5	2470
JUL		10.6			26.5						35.0	27.2	6.7	2480
AUG		10.3			33.1						35.1	21.4	6.3	2480
SEP		12.6			27.7						32.6	27.1	6.5	2408
OCT		32.8			26.6						20.0	20.3	6.7	2480
NOV		29.1			24.2						18.7	28.1	5.2	2399
DEC		25.6			20.6						19.3	30.6	5.8	2478
TOTALS		21.1			25.3						25.4	26.3	6.9	29212

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WACD, Federal Building  
Asheville, N. C.

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

84C

# DAILY TEMPERATURES

STATION 2-14041, SC YEAR 87-87

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
17.0						1.2	1.4	.0					.5
18					1.4	2.6	11.6	0.0	1.0				7.7
19					12.0	10.0	30.0	02.0	10.7				12.2
20			.0	2.1	30.3	60.7	00.2	01.3	50.9	11.0	.5		20.0
21		1.0	9.0	33.7	69.7	92.0	90.0	90.0	02.0	30.0	7.2	1.2	00.3
22	1.0	0.0	28.3	57.8	89.3	98.1	100.0	99.1	90.0	60.0	27.3	0.1	50.5
23	13.0	70.3	05.0	02.0	07.7	09.7		100.0	90.7	03.0	01.0	10.0	07.7
24	29.0	00.3	00.0	00.0	00.0	100.0			100.0	90.0	71.0	37.0	77.2
25	01.0	00.0	02.7	00.2	00.7					90.0	03.0	00.1	05.2
26	02.0	71.0	01.0	00.0	100.0					99.7	93.0	73.0	91.0
27	75.0	03.0	00.1							100.0	90.2	07.0	90.1
28	00.0	01.0	00.1	100.0							99.0	90.0	00.0
29	00.0	00.0	00.7								99.9	99.0	00.1
30	00.0	00.0	00.0								100.0	99.0	00.0
31	100.0	100.0										100.0	100.0
32			100.0										100.0
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100													
MEAN	57.7	57.0	61.7	70.3	82.4	87.0	87.5	88.5	84.6	76.7	68.6	65.0	70.5
S.D.	11.546	11.160	9.676	7.193	6.147	5.476	5.340	5.760	5.532	5.900	6.440	6.502	12.533
TOTAL OBS.	774	706	775	750	775	760	775	775	749	775	760	606	0101

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4

# DAILY TEMPERATURES

1971 2.4.1977, 50 17-0

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
8						0.3	1.0	0.6					0.0
9					1.0	13.0	25.5	30.2	7.7	0.0			7.6
10				0.0	10.5	51.5	91.0	80.0	52.5	0.7	0.1	0.1	20.5
11		0.1	1.1	11.0	50.1	89.5	99.0	98.2	82.9	21.0	0.0	0.0	31.0
12	1.1	2.0	10.0	30.0	70.1	90.1	100.0	100.0	93.0	01.5	12.0	0.0	90.7
13	0.1	0.0	25.0	57.0	91.7	100.0			90.7	62.5	25.0	10.0	97.0
14	15.2	17.1	92.0	79.3	90.5				99.9	80.1	90.0	20.0	00.5
15	20.7	31.0	99.2	92.0	99.9				100.0	91.7	91.0	31.5	70.7
16	31.1	90.0	79.5	90.0	100.0					97.3	77.3	91.0	93.1
17	00.0	00.0	91.0	100.0						99.9	91.0	00.9	0.1
18	77.0	00.0	97.1							100.0	97.0	00.7	90.5
19	91.2	90.0	99.9								99.1	90.0	90.0
20	97.9	99.1	100.0								99.9	99.0	99.7
21	99.9	100.0									100.0	99.9	99.9
22	100.0											100.0	100.0
23													
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100													
MEAN	70.1	61.1	47.0	33.0	23.0	12.0	7.0	2.0	0.0	0.0	0.0	0.0	10.1
SD	10.102	9.707	9.170	7.000	5.000	4.000	3.000	2.000	1.000	0.000	0.000	0.000	10.000
100% OIL	775	700	775	700	775	700	775	700	775	700	775	700	9100

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132203

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2					1.0	0.0	1.0	0.1					0.0
3					1.0	0.0	10.7	10.1	2.1				0.0
4					11.2	03.0	77.2	71.0	10.1	1.7			27.0
5			1.2	11.2	00.1	00.7	00.0	00.1	72.0	13.0	1.7	0.1	37.0
6		1.0	0.1	30.2	70.1	97.0	100.0	99.0	95.0	91.7	9.0	2.0	00.7
7	0.0	7.1	23.9	07.3	93.0	99.0		100.0	00.0	00.1	29.0	7.0	97.7
8	12.0	10.0	00.0	03.0	99.1	100.0			09.0	10.0	00.0	10.0	67.0
9	20.0	33.0	00.0	00.0	100.0			100.0	09.1	07.0	30.0	30.0	77.0
10	00.0	32.0	03.0	99.1					00.2	02.7	00.0	00.0	00.0
11	02.0	72.0	03.0	100.0					09.0	00.0	70.0	00.0	01.0
12	10.0	07.7	97.0						100.0	00.0	00.1	00.0	00.2
13	71.0	97.0	99.0							99.7	97.0	00.0	00.0
14	07.0	00.2	00.0							100.0	00.0	00.0	00.7
15	70.0	100.0	100.0								00.0	00.0	00.0
16	100.0										100.0	100.0	100.0
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100													
MEAN	01.1	0.5	07.0	00.2	70.0	70.0	01.0	00.0	70.0	07.1	00.0	01.0	00.0
S.D.	0.711	0.232	0.055	0.075	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	775	700	775	740	775	775	775	775	775	775	775	775	775

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 1 STATION NAME ASHEVILLE, NC YEARS 1954-1963 MONTH JANUARY

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP AVERAGE EXTREME				DATE	MINIMUM TEMP AVERAGE EXTREME				DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	41.0	5.0	51.2	10.6	70	21.1	1970	47.9	9.0	27	-2.1	1977
2	40.8	4.8	55.7	13.1	74	23.3	1963	38.9	3.8	24	-6.0	1960
3	40.5	4.7	57.7	14.3	77	22.2	1960	36.3	2.4	21	-6.7	1970
4	40.1	4.5	56.1	13.4	73	22.1	1971	38.0	3.3	24	-6.0	1970
5	40.1	4.5	56.0	13.3	71	21.1	1973	36.8	2.1	24	-6.7	1971
6	40.0	4.4	57.2	14.0	73	22.0	1970	37.7	3.2	23	-5.0	1970
7	40.0	4.4	59.0	15.0	74	23.0	1962	36.3	2.4	23	-5.0	1970
8	40.0	4.4	59.7	15.4	73	22.0	1965	37.7	3.2	14	-10.0	1971
9	40.0	4.4	55.7	13.2	75	23.0	1970	37.7	3.2	10	-12.2	1971
10	40.0	4.4	55.5	13.1	6	20.0	1972	38.5	3.6	1	-12.2	1970
11	40.0	4.4	56.0	13.3	77	25.0	1970	36.7	2.2	10	-11.0	1962
12	40.0	4.4	56.2	13.4	76	23.1	1970	36.9	2.2	17	-6.3	1961
13	40.0	4.4	56.5	13.6	77	25.0	1960	36.0	2.0	15	-6.0	1961
14	40.0	4.4	55.5	13.0	72	22.2	1960	36.0	2.0	17	-6.7	1970
15	40.0	4.4	56.5	13.6	77	25.0	1970	37.0	3.0	10	-7.2	1970
16	40.0	4.4	56.2	13.4	74	23.0	1970	33.7	1.0	21	-6.1	1972
17	40.0	4.4	58.7	14.8	71	21.0	1970	36.7	2.2	17	-6.3	1971
18	40.0	4.4	57.7	13.8	72	22.2	1970	36.0	2.0	20	-6.7	1971
19	40.0	4.4	59.0	15.0	76	24.0	1982	37.0	2.8	16	-6.0	1977
20	40.0	4.4	57.1	13.9	76	24.0	1982	37.1	2.8	19	-7.2	1971
21	40.0	4.4	54.2	12.6	67	20.7	1982	38.7	3.7	23	-5.0	1971
22	40.0	4.4	56.7	13.6	76	24.0	1970	37.5	3.1	19	-7.2	1971
23	40.0	4.4	59.1	15.1	67	20.7	1970	39.9	4.0	21	-6.1	1970
24	40.0	4.4	61.2	16.2	77	25.0	1970	40.0	4.0	22	-1.0	1960
25	40.0	4.4	61.2	16.2	67	20.7	1970	39.0	3.8	20	-6.7	1963
26	40.0	4.4	62.0	16.7	70	21.0	1974	40.8	4.9	28	-2.2	1968
27	40.0	4.4	58.7	14.8	71	21.0	1970	40.8	4.9	23	-6.0	1982
28	40.0	4.4	59.0	15.0	71	21.0	1970	38.0	3.0	27	-2.0	1971
29	40.0	4.4	59.1	15.1	61	17.2	1975	38.9	3.8	27	-2.0	1970
30	40.0	4.4	61.0	16.0	71	21.0	1975	38.7	3.7	12	-11.1	1960
31	40.0	4.4	60.7	15.7	63	18.3	1975	38.0	3.0	18	-7.0	1960
Monthly	40.7	4.7	57.9	14.2	63	18.3	1975	38.0	3.0	10	-12.0	1970

\*ALSO ON EARLIER YEARS

DIRNAVOCEANDET-0800

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 11 PORT, SC STATION NAME 1950-1961 YEARS FEB-66 MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP AVERAGE EXTREME				DATE	MINIMUM TEMP AVERAGE EXTREME				DATE
	'F	'C	'F	'C	'F	'C		'F	'C	'F	'C	
1	4.0	0.0	4.0	0.0	61	2.9	1975	18.0	1.0	26	-3.3	1977
2	0.0	0.0	5.0	1.0	78	25.0	1976	0.0	0.0	22	-5.0	1978
3	0.0	0.0	5.0	1.0	76	24.0	1982	17.0	2.0	26	-3.3	1971
4	0.0	0.0	5.0	1.0	71	25.0	1982	12.1	1.7	17	-6.2	1977
5	07.0	0.7	58.0	14.0	90	23.3	1962	17.0	2.0	23	-3.7	1970
6	10.0	0.7	58.7	10.0	71	21.9	1982	0.0	0.0	18	-7.0	1973
7	11.0	9.3	47.0	10.0	72	22.2	1963	10.0	0.0	2	-0.7	1971
8	07.0	0.0	50.0	10.0	75	23.0	1965	16.7	2.0	25	-3.0	1977
9	06.0	0.3	55.0	13.2	71	25.0	1982	18.0	3.2	17	-2.0	1983
10	07.0	0.3	57.0	10.7	81	27.2	1989	16.7	2.0	22	-3.0	1970
11	07.0	0.0	41.0	10.2	75	23.0	1965	16.7	3.0	21	-0.1	1973
12	07.0	0.0	6.0	10.0	75	23.0	1965	16.7	1.0	23	-5.0	1973
13	07.0	0.0	59.7	15.0	76	25.0	1976	19.0	1.0	17	-1.1	1971
14	07.0	17.2	41.7	10.0	81	27.2	1962	10.7	0.0	24	-0.0	1966
15	10.0	11.0	00.7	17.0	77	25.7	1982	02.0	5.0	26	-7.2	1966
16	10.0	11.0	02.2	10.0	77	25.0	1982	09.0	7.0	25	-3.0	1953
17	07.0	17.3	00.7	15.0	81	25.0	1982	01.0	5.0	16	-1.9	1971
18	07.0	10.0	00.0	15.0	81	26.7	1975	01.0	5.0	17	-0.3	1958
19	2.0	11.0	02.0	16.7	74	25.0	1976	02.0	5.7	22	-0.0	1970
20	00.0	18.0	11.0	16.1	73	22.0	1982	19.0	0.0	23	-3.0	1912
21	1.0	10.0	02.0	16.0	75	23.0	1982	19.0	0.0	25	-3.0	1940
22	2.0	11.1	01.0	16.0	79	26.1	1962	02.0	5.7	29	-1.7	1978
23	12.0	11.0	01.0	16.0	82	27.0	1980	09.0	6.7	25	-7.0	1971
24	19.0	12.3	03.0	18.3	85	28.0	1982	00.0	7.0	10	-1.1	1976
25	08.0	11.3	00.0	17.5	79	26.1	1972	01.0	5.0	20	-0.7	1967
26	00.0	10.3	01.0	16.0	81	27.2	1981	19.0	0.0	17	-0.1	1967
27	10.0	10.0	02.0	16.0	81	27.0	1962	19.0	0.0	23	-0.0	1970
28	11.0	12.0	00.0	16.1	80	26.0	1962	02.0	6.0	11	-0.0	1973
29	12.0	11.0	02.0	16.0	79	23.0	1976	02.0	5.0	16	1.1	1950
30												
31												
Summary	12.0	10.1	40.0	19.0	80	25.0	1982	00.1	0.0	16	-0.0	1910

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-0000

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 31 STATION NAME ASHEVILLE, NC YEARS 1979-1983 MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP		DATE		
	AVERAGE		AVERAGE	EXTREME				AVERAGE	EXTREME			
	F	C	F	C	F	C		F	C			
1	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
2	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
3	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
4	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
5	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
6	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
7	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
8	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
9	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
10	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
11	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
12	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
13	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
14	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
15	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
16	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
17	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
18	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
19	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
20	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
21	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
22	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
23	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
24	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
25	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
26	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
27	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
28	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
29	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
30	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
31	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979
Monthly	60.0	15.6	65.0	18.3	70	21.1	1981	61.0	16.1	71	-2.0	1979

\*ALSO ON EARLIER YEARS

DIRNAVOCLANDET-0800

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 31 STATION NAME ASHEVILLE, NC YEARS 1944-1993 MONTH APRIL

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	F	C	F	C	F	C		F	C	F	C	
1	54.7	12.6	72.0	22.2	81	27.2	1942	54.7	12.6	37	2.8	1971
2	53.0	11.7	73.0	23.2	84	29.4	1979	53.0	11.7	42	5.6	1962
3	53.2	11.8	73.0	23.3	80	26.7	1967	53.2	11.8	37	2.8	1942
4	54.3	12.7	73.6	23.1	87	31.3	1963	54.3	12.7	37	2.8	1971
5	52.7	11.6	72.5	21.9	87	31.3	1978	52.7	11.6	4	4.4	1961
6	51.7	10.9	72.3	22.4	97	37.2	1967	51.7	10.9	39	3.9	1975
7	52.5	11.4	73.0	23.3	92	33.3	1967	52.5	11.4	36	2.2	1974
8	53.0	11.7	74.0	23.3	85	29.4	1977	53.0	11.7	41	4.4	1971
9	54.2	12.3	74.2	23.8	83	31.7	1965	54.2	12.3	36	3.3	1972
10	51.5	10.8	72.5	22.5	84	31.1	1978	51.5	10.8	37	2.8	1972
11	53.1	11.7	71.8	23.2	92	37.8	1962	53.1	11.7	37	2.8	1961
12	54.3	12.4	74.0	23.3	84	28.9	1981	54.3	12.4	41	5.0	1973
13	55.0	11.7	75.5	24.2	91	32.4	1981	55.0	11.7	40	4.0	1976
14	54.7	12.6	75.1	23.9	89	31.7	1972	54.7	12.6	43	6.1	1942
15	54.7	12.6	74.0	23.3	97	37.2	1972	54.7	12.6	41	5.0	1967
16	53.6	12.7	74.2	23.8	87	31.7	1972	53.6	12.7	36	2.2	1962
17	54.0	12.5	74.0	24.4	80	31.7	1967	54.0	12.5	39	1.9	1962
18	54.8	13.2	74.7	23.9	92	33.3	1967	54.8	13.2	44	6.7	1983
19	57.0	14.0	77.0	25.7	91	32.3	1960	57.0	14.0	37	2.8	1953
20	57.2	14.0	77.0	25.7	97	37.2	1968	57.2	14.0	32	0.0	1943
21	56.7	13.7	77.0	25.7	9	32.2	1960	56.7	13.7	31	3.0	1973
22	57.6	14.2	74.0	24.4	89	31.7	1969	57.6	14.2	47	4.8	1978
23	60.0	15.6	74.0	24.4	92	33.3	1981	60.0	15.6	47	6.3	1971
24	59.0	15.3	72.7	24.4	93	34.5	1958	59.0	15.3	46	7.9	1942
25	59.0	14.7	77.3	25.7	93	34.5	1958	59.0	14.7	42	5.6	1974
26	58.0	14.0	77.2	25.1	97	37.2	1975	58.0	14.0	47	6.3	1983
27	59.0	14.6	74.0	23.3	91	32.3	1981	59.0	14.6	44	6.7	1972
28	59.3	15.2	75.2	23.7	92	33.3	1981	59.3	15.2	45	7.2	1967
29	58.0	14.0	77.0	25.7	97	37.2	1970	58.0	14.0	43	6.1	1967
30	59.3	15.2	74.0	24.4	89	31.7	1981	59.3	15.2	47	6.3	1973
31												
Summary	55.7	13.2	75.0	24.4	93	33.4	1958	55.7	13.2	32	0.0	1983

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8808



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 45001, NC YEARS: 1950-1963 MONTH:

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE	EXTREME				AVERAGE	EXTREME			
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	71.4	21.9	74.8	24.3	91	32.8	1950	61.8	16.5	46	7.8	1973
2	71.1	21.7	73.3	23.5	91	33.9	1950	60.7	15.9	41	5.0	1973
3	72.7	22.6	78.0	25.6	91	35.0	1950	59.9	15.5	40	4.4	1971
4	77.9	25.5	71.5	22.5	91	35.4	1950	58.0	14.4	40	4.4	1971
5	70.4	21.3	79.6	26.4	91	32.2	1951	58.5	14.7	40	4.4	1976
6	71.1	21.2	71.3	21.8	91	32.2	1977	58.9	14.9	40	4.4	1973
7	71.1	21.2	70.4	21.3	91	33.9	1977	62.4	16.9	52	11.1	1958
8	71.1	21.2	70.2	21.2	90	34.0	1959	62.9	17.2	50	10.0	1956
9	71.1	21.2	70.1	21.1	90	34.0	1962	62.8	17.1	51	10.6	1976
10	71.1	21.2	70.1	21.2	90	32.2	1963	62.9	16.9	54	12.2	1977
11	71.1	21.2	71.0	21.7	91	33.9	1963	62.4	16.9	58	14.4	1977
12	71.1	21.2	71.0	21.7	90	31.7	1973	62.4	16.9	56	13.3	1969
13	71.1	21.2	72.8	23.2	91	33.9	1967	62.8	17.1	50	10.0	1976
14	73.5	23.1	72.9	23.3	90	30.0	1962	64.2	17.9	52	11.1	1967
15	73.5	23.1	72.5	23.1	91	31.7	1973	64.7	18.2	57	13.9	1956
16	73.2	23.2	72.8	23.2	91	31.4	1962	61.5	16.4	52	11.1	1961
17	73.2	23.2	72.7	23.2	91	31.7	1963	64.7	18.2	53	11.7	1973
18	73.6	23.4	74.0	23.9	91	31.7	1967	64.7	18.2	52	11.1	1973
19	74.7	23.7	74.2	23.9	91	32.2	1962	63.1	18.0	52	11.1	1976
20	74.7	23.7	74.0	23.9	91	31.9	1964	63.3	18.0	51	10.6	1976
21	74.9	24.1	74.9	24.4	91	31.0	1962	63.5	18.0	53	12.2	1971
22	75.3	24.1	74.3	24.1	91	31.9	1962	64.9	19.1	52	11.1	1961
23	74.7	23.7	72.7	23.2	90	30.4	1973	64.9	19.1	53	12.2	1967
24	75.4	24.1	74.8	24.3	91	31.7	1967	64.9	19.1	51	10.6	1967
25	75.3	24.1	74.2	24.3	91	30.1	1973	64.8	19.1	54	12.2	1967
26	75.7	24.3	74.9	24.1	91	30.1	1962	67.5	19.9	51	10.6	1979
27	76.5	24.8	72.7	23.2	91	30.1	1962	64.8	19.1	50	10.0	1976
28	75.2	24.0	73.8	24.3	90	30.9	1967	66.7	19.8	53	11.7	1961
29	75.0	24.3	74.9	24.9	91	30.0	1962	66.7	19.8	57	13.9	1971
30	74.9	24.7	75.9	25.7	91	30.9	1962	67.6	19.9	50	10.0	1971
31	74.7	24.0	75.9	25.7	91	30.9	1962	68.7	20.4	53	12.2	1971
Monthly	73.1	22.8	72.9	23.0	97	30.1	1973	63.9	17.9	61	15.0	1963

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

LA FORT, NC

STATION NAME

1964-1981

YEARS

JUNE

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	66.7	19.8	65.8	19.3	97	36.1	1978	67.4	19.9	47	13.0	1966
2	66.7	19.8	65.0	18.9	96	35.6	1982	68.3	20.1	57	13.9	1967
3	66.7	19.8	65.8	19.3	92	33.3	1980	67.7	19.9	59	15.0	1969
4	66.7	19.8	64.7	19.2	95	35.3	1980	68.3	20.3	67	15.6	1976
5	66.7	19.8	65.2	19.4	94	34.9	1981	68.3	20.2	57	13.9	1979
6	70.8	21.5	66.7	19.7	96	35.6	1977	69.3	20.7	57	13.9	1976
7	70.8	21.5	65.9	19.7	95	35.3	1981	69.7	20.7	63	17.2	1977
8	70.8	21.5	66.7	19.7	96	35.6	1980	69.0	20.6	58	14.0	1976
9	73.4	23.0	66.9	19.8	97	36.1	1982	73.3	21.9	62	16.7	1976
10	73.4	23.0	68.9	20.2	97	36.1	1981	69.9	21.1	60	15.6	1967
11	70.7	21.5	66.5	19.7	96	35.6	1981	69.0	20.6	59	15.0	1960
12	70.8	21.5	66.4	19.6	98	36.7	1977	68.8	20.4	56	13.3	1972
13	70.8	21.5	66.4	19.6	95	35.3	1981	70.0	21.1	61	16.1	1968
14	70.8	21.5	66.5	19.7	98	36.7	1981	70.3	21.3	60	15.6	1967
15	70.8	21.5	67.7	19.9	101	38.3	1981	71.1	21.7	65	18.3	1983
16	70.8	21.5	67.9	20.0	102	38.9	1981	71.3	21.7	61	16.1	1961
17	70.8	21.5	65.3	19.0	101	38.3	1981	69.3	20.7	60	15.6	1979
18	70.8	21.5	66.2	19.3	99	37.2	1981	68.9	20.5	61	16.1	1961
19	70.8	21.5	66.6	19.5	100	37.8	1977	70.1	21.2	59	15.0	1961
20	70.8	21.5	67.3	19.7	99	37.2	1979	70.9	21.6	63	17.2	1965
21	70.8	21.5	67.6	19.9	98	36.7	1981	71.7	22.1	63	17.2	1966
22	70.8	21.5	67.9	20.0	97	36.1	1981	71.9	21.9	61	16.1	1966
23	70.8	21.5	67.9	19.9	101	38.3	1981	71.6	21.6	60	15.6	1972
24	70.8	21.5	67.9	19.9	96	35.6	1981	71.3	21.6	59	15.0	1972
25	70.8	21.5	68.6	20.1	98	36.7	1977	71.7	22.1	63	17.2	1979
26	70.8	21.5	67.3	19.7	97	36.1	1981	72.0	22.2	63	17.2	1979
27	70.8	21.5	67.3	19.7	99	37.2	1981	71.3	21.6	66	18.3	1979
28	70.8	21.5	67.9	19.9	100	37.8	1978	71.3	21.6	60	15.6	1968
29	70.8	21.5	68.6	20.1	102	38.9	1981	71.6	21.6	63	17.2	1970
30	70.8	21.5	69.8	22.1	103	39.9	1981	70.7	21.5	61	16.1	1970
31												
Monday	70.8	21.5	66.5	19.7	104	40.0	1978	70.8	21.5	60	15.6	1972

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8808

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION  
STATION

REAFORT, NC  
STATION NAME

1946-1983  
YEARS

JULY  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	10.2	27.8	89.7	32.1	98	36.7	1978	72.7	22.6	69	20.6	1976
2	10.2	27.8	89.6	32.0	98	36.7	1960	72.8	22.7	67	19.6	1975
3	10.7	27.6	90.5	32.5	98	36.7	1972	73.7	22.8	66	18.9	1976
4	10.7	27.6	90.5	32.5	98	36.7	1979	73.0	22.8	67	19.6	1976
5	10.8	27.1	89.0	31.7	97	36.1	1980	72.5	22.5	68	20.0	1976
6	10.7	27.1	88.7	31.5	102	38.0	1977	72.7	22.6	68	19.8	1970
7	10.2	26.8	88.5	31.4	98	36.7	1977	71.8	22.1	62	16.7	1970
8	10.1	26.8	88.1	31.2	98	36.7	1977	72.5	22.5	66	18.9	1970
9	10.0	27.2	89.2	31.8	100	37.8	1977	72.8	22.7	66	18.9	1976
10	10.0	27.0	89.5	31.9	100	37.8	1980	73.3	22.9	69	20.6	1967
11	10.7	27.6	90.0	32.2	100	37.8	1977	73.3	22.9	68	20.0	1970
12	10.9	27.2	88.5	31.4	98	36.7	1980	73.4	23.0	68	18.3	1963
13	10.0	27.0	89.5	31.9	102	38.0	1980	73.3	22.9	67	19.6	1970
14	10.9	27.7	89.2	32.3	100	37.8	1981	73.6	23.1	67	19.6	1976
15	10.3	27.8	89.9	32.2	98	36.7	1983	74.2	23.4	67	19.6	1967
16	10.9	27.7	90.2	32.3	99	37.2	1983	73.7	23.2	63	17.2	1967
17	10.0	27.1	88.9	31.6	100	37.8	1983	72.7	22.6	65	18.3	1967
18	10.0	27.1	88.3	31.3	96	35.6	1983	73.3	22.9	68	20.0	1967
19	10.8	27.7	90.2	32.3	95	35.2	1983	73.4	23.0	67	19.6	1967
20	12.2	27.0	90.3	32.4	96	35.6	1981	74.0	23.3	70	21.1	1958
21	11.7	27.6	89.5	31.9	98	36.7	1977	74.0	23.3	69	20.6	1967
22	11.9	27.7	90.2	32.3	100	37.8	1977	73.7	23.2	69	20.6	1976
23	11.2	27.8	89.2	31.8	97	36.1	1972	73.0	22.8	66	18.9	1976
24	11.9	27.7	90.1	32.3	99	37.2	1983	73.7	23.2	67	19.6	1977
25	12.1	27.8	90.2	32.3	98	36.7	1983	74.0	23.3	67	19.6	1977
26	12.1	27.8	90.1	32.3	99	37.2	1988	74.1	23.4	69	20.6	1979
27	12.2	27.9	89.7	32.1	102	38.9	1988	74.6	23.7	72	22.2	1983
28	12.5	28.1	90.3	32.4	102	38.9	1988	74.7	23.7	72	22.2	1983
29	12.6	28.1	91.2	32.9	101	38.3	1981	74.0	23.3	68	20.0	1977
30	11.8	27.7	90.3	32.4	96	35.6	1981	73.2	22.9	69	20.6	1980
31	11.8	27.6	89.7	32.1	97	36.1	1980	73.8	23.1	68	18.3	1986
Monthly	11.5	27.8	89.7	32.1	101	38.9	1980	73.9	23.2	62	16.7	1970

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8808

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	71.4	27.4	89.8	31.8	98	36.7	73.5	23.1	66	18.9
2	71.8	27.7	89.8	32.1	100	37.8	73.9	23.3	67	19.4
3	71.6	27.6	89.9	31.9	98	36.7	73.8	23.2	63	17.2
4	71.3	27.7	89.8	32.1	100	37.8	73.8	23.2	66	18.9
5	71.7	27.6	89.8	32.1	98	36.7	73.5	23.1	66	18.9
6	71.2	27.2	89.0	31.7	97	36.1	73.1	22.8	66	18.9
7	71.5	27.9	89.7	32.1	98	36.7	73.1	22.8	69	20.0
8	71.8	27.7	90.0	32.2	100	37.8	73.6	23.1	67	19.4
9	71.4	27.7	90.3	32.4	97	36.1	73.0	23.0	67	19.4
10	72.0	27.8	90.3	32.4	95	35.5	73.7	23.2	70	21.1
11	70.5	26.9	88.2	31.3	95	35.5	72.8	22.7	68	20.0
12	70.3	26.8	87.9	31.1	96	35.6	72.9	22.6	64	17.8
13	70.5	26.9	88.4	31.3	94	35.4	72.8	22.5	63	17.2
14	70.2	26.8	87.8	31.0	93	33.9	72.6	22.6	63	17.2
15	70.3	26.8	87.8	31.3	94	36.0	72.7	22.6	64	17.8
16	70.4	26.9	88.5	31.4	96	35.6	72.8	22.6	66	18.9
17	70.8	27.1	88.9	31.6	100	37.8	72.7	22.6	67	19.4
18	70.7	27.1	88.9	31.6	97	36.1	72.8	22.6	64	17.8
19	70.5	26.9	88.3	31.3	99	37.2	72.6	22.6	65	18.3
20	70.8	27.1	88.8	31.4	102	38.9	72.8	22.7	62	16.7
21	70.8	27.1	88.6	31.4	101	38.3	72.9	22.7	64	17.8
22	71.5	27.5	89.2	31.8	100	37.8	73.8	23.2	65	18.3
23	71.1	27.3	88.8	31.4	101	38.3	73.5	23.1	68	20.0
24	71.2	27.2	89.0	31.7	101	38.3	73.1	22.8	65	18.3
25	70.7	27.1	88.2	31.2	97	36.1	73.8	22.9	66	18.9
26	70.0	26.7	87.2	30.7	95	35.0	72.7	22.6	65	18.3
27	79.8	26.6	87.5	30.8	94	35.9	72.8	22.8	61	16.1
28	79.8	26.6	87.5	30.8	96	36.7	72.8	22.8	62	16.7
29	79.7	26.6	87.1	30.6	98	36.7	72.8	22.8	61	16.1
30	79.5	26.5	87.0	30.6	95	35.0	72.1	22.8	63	18.3
31	79.4	26.5	87.0	30.6	98	36.7	71.9	22.6	63	17.8
Monthly	70.6	27.1	88.6	31.4	102	38.9	72.9	22.7	61	16.1

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1983

RAUFORT, SC

1958-1983

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	70.4	26.3	87.1	30.6	98	36.7	1970	71.7	22.1	63	17.2	1976
2	70.2	26.2	87.3	30.7	93	33.9	1980*	71.2	21.8	63	17.2	1972-
3	72.1	26.2	86.8	30.4	95	35.0	1966	71.4	21.9	61	16.1	1967
4	72.1	26.4	87.6	30.9	95	35.4	1966	71.5	21.9	63	17.2	1967
5	70.2	26.2	87.0	30.6	94	34.4	1983	71.5	21.9	62	16.7	1967
6	71.9	26.1	87.2	30.7	96	35.6	1980	70.7	21.5	63	17.2	1982
7	75.1	25.2	87.2	30.7	97	36.1	1980	70.9	21.6	64	17.8	1972
8	78.3	25.7	86.5	30.3	96	35.6	1980	70.1	21.2	64	17.8	1972
9	78.3	25.7	85.8	29.9	92	33.3	1983*	70.8	21.6	62	16.7	1966
10	77.9	25.5	86.0	30.0	92	33.3	1983	69.9	21.1	59	15.7	1966
11	74.7	25.6	85.8	29.9	95	35.0	1983	70.2	21.2	54	12.2	1976
12	77.3	25.2	85.3	29.6	91	32.8	1975*	69.2	20.7	54	12.2	1976
13	75.9	24.3	83.8	28.8	93	33.9	1978	67.9	19.9	58	14.4	1967
14	76.6	24.8	84.6	29.2	94	34.4	1980*	68.6	20.3	56	13.3	1964
15	76.6	24.8	84.4	29.1	98	36.7	1980	68.7	20.4	56	13.3	1967
16	76.8	24.9	84.3	29.1	98	36.7	1980	69.3	20.7	57	13.9	1967
17	77.1	25.1	85.2	29.6	97	36.1	1972	69.1	20.6	58	14.4	1961
18	76.7	24.8	84.7	29.3	94	34.4	1972*	68.8	20.4	60	15.6	1981*
19	76.9	24.9	84.4	29.1	93	33.9	1978*	69.4	20.8	58	14.4	1981
20	76.7	24.8	84.7	29.3	92	33.3	1970	68.7	20.4	52	11.1	1981
21	76.5	24.7	84.4	29.1	95	33.0	1980	68.3	20.3	51	10.4	1981*
22	76.8	23.8	83.3	28.5	92	33.3	1980*	66.2	19.1	54	12.2	1982
23	76.0	23.3	82.7	28.2	94	34.4	1980	65.9	18.9	49	9.4	1983
24	73.4	23.1	82.3	28.1	94	34.4	1980	64.7	18.2	50	10.0	1967
25	71.7	23.2	82.3	27.9	95	35.0	1981	63.0	18.3	54	12.2	1983*
26	74.7	23.7	82.7	28.2	94	34.4	1981	66.6	19.2	58	14.4	1980
27	75.0	23.9	83.5	28.6	94	34.4	1970	64.8	18.2	58	13.3	1982
28	73.5	23.1	81.7	27.6	91	32.8	1972	63.2	18.8	58	13.3	1981
29	72.2	23.2	79.8	26.6	91	32.8	1975	62.8	18.1	51	11.1	1987
30	72.2	23.2	70.0	26.7	88	31.1	1971	65.8	17.8	48	9.4	1987
21												
Monthly	76.6	24.8	84.6	29.2	94	34.4	1980*	68.6	20.3	48	9.4	1987

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

7331  
STATION

BEAUFORT, SC  
STATION NAME

1958-1983  
YEARS

OCTOBER  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	73.4	23.0	83.0	28.3	91	32.4	1971	63.8	17.7	49	9.4	1967
2	72.4	22.4	81.5	27.5	87	31.7	1977	63.8	17.7	51	10.0	1966
3	72.8	21.6	82.5	26.9	89	31.7	1971	61.2	16.2	45	7.2	1974
4	70.4	21.3	79.8	26.6	88	31.1	1983	61.1	16.2	42	5.6	1974
5	70.0	21.1	80.1	26.7	97	32.2	1983	59.9	15.5	48	8.9	1974
6	70.1	21.2	79.7	26.5	97	32.2	1981	63.4	15.8	50	10.0	1979
7	70.8	21.4	80.3	26.9	88	31.1	1962	61.3	16.3	47	8.3	1974
8	70.3	21.3	79.2	26.2	86	30.0	1975	61.4	16.3	47	8.3	1973
9	70.4	21.3	80.1	26.7	87	30.6	1982	60.7	15.9	45	7.2	1978
10	69.5	20.8	78.7	25.9	89	31.7	1988	60.3	15.7	48	8.9	1976
11	68.5	20.2	74.4	23.8	88	31.1	1980	58.2	14.6	41	5.3	1976
12	68.5	20.3	79.1	26.2	91	32.8	1978	57.8	14.3	47	8.3	1976
13	68.3	20.2	78.3	23.7	85	29.4	1983	58.4	14.7	38	3.3	1976
14	63.7	20.4	79.3	26.1	87	30.6	1975	58.5	14.7	42	5.6	1977
15	69.7	20.0	77.2	25.1	84	30.0	1970	58.7	14.8	44	6.7	1977
16	68.1	20.1	77.8	25.4	84	28.9	1975	58.5	14.7	39	3.9	1975
17	67.2	19.6	76.0	24.9	89	31.7	1972	58.4	14.7	39	3.9	1977
18	66.3	19.1	76.0	24.4	85	29.4	1980	56.6	13.7	40	4.4	1977
19	65.6	18.7	76.0	24.9	88	31.1	1980	55.3	12.9	42	5.6	1967
20	63.4	17.4	73.3	22.9	84	28.9	1979	53.9	12.2	39	3.9	1981
21	63.9	17.7	73.8	23.2	86	30.0	1982	54.0	12.2	40	4.4	1969
22	63.1	18.4	74.8	23.7	82	27.8	1978	55.6	13.1	40	4.4	1976
23	65.1	18.4	75.2	24.3	83	28.3	1981	54.9	12.7	38	3.3	1974
24	64.0	17.8	73.7	23.2	83	28.3	1975	54.3	12.4	39	3.9	1974
25	62.3	16.8	71.8	22.1	81	27.2	1975	52.9	11.6	38	3.3	1965
26	62.3	16.8	73.3	22.9	87	30.6	1975	51.3	10.7	38	3.3	1962
27	62.5	16.9	73.4	23.1	86	30.0	1978	51.4	10.8	37	2.8	1962
28	62.5	16.9	71.0	22.0	85	29.4	1963	52.1	11.8	37	2.8	1976
29	61.7	16.8	72.1	22.3	82	27.8	1983	51.3	10.7	31	-1.6	1974
30	62.7	16.8	72.0	22.2	82	27.8	1974	52.4	11.3	39	3.9	1968
31	61.3	17.4	72.8	22.7	87	30.6	1963	51.7	12.1	36	1.8	1968
Monthly	67.3	19.4	76.8	24.9	91	32.8	1975	57.2	14.0	31	-1.6	1976

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8MOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

1831

RAUFORT, SC

1957-1983

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	40.2	17.9	73.0	23.3	88	31.1	1961	56.5	12.5	41	5.0	1976*
2	40.2	17.9	74.7	23.7	86	30.0	1961	53.3	11.8	36	2.2	1963
3	43.7	17.2	73.3	22.9	85	29.4	1972	52.7	11.5	33	.6	1963
4	42.1	16.7	72.3	22.4	84	28.9	1972	51.9	11.1	26	-3.3	1966
5	40.1	15.6	69.9	21.1	83	28.3	1975*	50.3	10.2	35	1.7	1967*
6	59.6	15.3	69.8	21.0	83	28.3	1959	49.4	9.7	29	-1.7	1976
7	48.0	14.7	69.6	20.9	80	26.7	1961	47.1	8.9	29	-1.7	1967
8	56.4	14.7	68.6	20.3	83	28.3	1975	48.1	8.9	30	-1.1	1967
9	57.1	15.1	70.6	21.4	82	27.8	1975	47.7	8.7	25	-3.9	1976*
10	59.6	15.3	69.6	20.9	81	27.2	1979	49.8	9.7	34	1.1	1967*
11	57.8	14.3	68.0	20.0	80	26.7	1966	47.8	8.6	34	1.1	1968
12	57.9	14.4	68.4	20.2	80	26.7	1975	47.3	8.5	33	.6	1980*
13	56.5	13.6	67.7	19.4	80	26.7	1972	45.9	7.7	11	-.6	1977*
14	55.6	13.7	67.4	19.7	81	27.2	1978	45.7	7.6	28	-2.2	1968
15	57.1	13.9	68.1	20.1	80	26.7	1978*	46.1	7.8	28	-2.2	1969
16	55.2	14.6	69.1	20.6	83	28.2	1980	47.4	8.6	30	-1.1	1969
17	59.4	15.2	69.5	21.0	84	28.9	1960	49.2	9.4	32	.0	1970
18	55.7	15.7	71.9	21.6	86	30.0	1978	49.0	9.4	33	.6	1983
19	53.5	14.6	69.6	20.9	82	27.8	1988	47.0	8.3	13	.6	1959
20	54.5	13.6	66.7	19.3	76	24.4	1979	46.3	7.9	30	-1.1	1968*
21	55.6	13.7	67.3	19.7	79	26.1	1973	45.7	7.6	26	-3.3	1968
22	55.2	12.9	66.4	19.1	79	26.1	1982	46.0	6.7	32	.0	1971
23	55.7	13.3	66.4	19.1	81	26.7	1982	45.4	7.4	27	-2.8	1976
24	57.4	14.1	68.8	19.3	80	26.7	1978	47.9	8.6	22	-3.6	1970
25	45.3	12.9	65.6	15.7	75	23.6	1979*	45.0	7.2	19	-7.2	1970
26	48.0	12.8	65.3	18.5	81	27.2	1973	42.6	8.9	30	-1.1	1977*
27	49.1	15.1	69.9	21.1	82	27.8	1973	48.3	9.1	27	-2.8	1977
28	48.2	16.6	67.9	19.9	78	25.6	1981	48.8	9.2	33	.6	1976
29	54.7	12.6	64.3	18.1	76	25.6	1977	46.8	7.1	29	-1.7	1959
30	51.0	10.6	60.5	15.8	75	25.6	1970	41.4	5.2	26	-6.0	1959
31												
Monthly	54.1	14.8	68.6	20.3	84	31.1	1961	47.6	8.7	19	-7.2	1970

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8MOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

R AUPORT, SC

1957-1983

DECEMBER

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	51.5	10.2	51.5	10.4	81	27.2	1982	39.2	4.3	26	-3.3	1964
2	51.7	10.9	52.7	11.1	79	26.1	1982	40.6	4.8	27	-2.8	1965
3	51.5	11.9	54.5	13.1	81	26.7	1982	42.5	5.8	25	-3.9	1967
4	53.9	12.2	54.8	13.2	79	26.1	1982	42.9	6.1	24	-4.4	1967
5	53.7	12.1	55.5	13.6	78	25.6	1982	41.9	5.5	28	-2.2	1974
6	52.4	11.6	54.0	17.8	76	24.4	1961	41.7	5.4	32	.0	1961
7	52.5	11.4	52.5	16.9	81	27.2	1978	42.4	5.8	26	-3.3	1977
8	52.5	11.4	52.1	16.7	80	26.7	1978	42.9	6.1	25	-3.9	1965
9	51.5	10.8	51.7	16.5	78	25.6	1980	41.1	5.1	20	-6.7	1968
10	51.5	10.8	51.1	16.2	81	27.2	1972	41.8	5.4	22	-5.6	1968
11	51.7	10.9	51.5	16.4	82	27.8	1972	41.9	5.5	22	-5.6	1981
12	51.1	10.6	50.6	15.9	78	25.6	1971	41.6	5.3	20	-6.7	1962
13	51.3	10.7	51.4	16.3	79	26.1	1979	41.2	5.1	12	-11.1	1962
14	50.7	10.4	51.0	16.1	77	25.5	1972	40.6	4.7	21	-6.1	1960
15	50.4	10.2	50.0	15.6	81	27.2	1972	40.6	4.9	21	-6.1	1968
16	50.5	10.3	50.2	15.7	80	26.7	1971	40.9	4.9	20	-6.7	1968
17	49.2	9.6	59.6	15.3	77	25.0	1971	38.8	3.8	24	-8.9	1968
18	47.7	8.7	58.7	14.8	77	25.0	1967	38.8	2.7	25	-3.9	1968
19	49.7	9.4	60.7	15.9	79	26.1	1967	37.4	1.0	21	-6.1	1975
20	51.3	11.7	60.4	16.1	81	27.2	1967	41.8	5.4	18	-7.8	1981
21	47.7	8.7	57.0	13.9	74	23.3	1970	38.3	3.5	17	-8.3	1981
22	47.7	8.7	58.1	14.5	78	25.6	1967	37.3	2.9	21	-6.1	1976
23	49.9	9.9	60.0	15.6	79	26.1	1970	39.9	4.9	26	-3.3	1975
24	49.9	9.7	59.6	15.3	74	23.3	1982	39.4	4.1	16	-8.9	1953
25	47.4	9.1	57.4	14.6	76	24.4	1982	38.9	3.8	11	-11.7	1983
26	47.3	8.8	58.1	14.5	77	25.0	1982	37.8	3.2	13	-10.6	1983
27	48.6	9.4	59.0	15.0	76	24.4	1971	38.8	3.8	22	-5.6	1983
28	51.9	11.1	61.4	16.3	75	23.3	1971	42.4	5.8	24	-4.4	1977
29	47.4	9.9	59.6	15.3	76	23.3	1971	40.1	4.5	21	-6.1	1977
30	52.3	10.2	59.3	13.2	76	24.4	1971	41.2	5.1	26	-3.3	1961
31	51.7	10.9	60.5	15.8	77	25.5	1974	42.9	6.1	21	-6.1	1981
Monthly	50.7	10.4	60.8	16.0	82	27.8	1972	40.8	4.7	11	-11.7	1983

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



## EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

23931

BEAUFORT, SC

57-47

STATION

STATION NAME

**YEARS**

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57											82	74	
58	63	76	75	93	90	97	97	97	94	90	83	75	97
59	73	81	78	88	95	103	93	94		91	83	72	
60	77	69	78	85	95	96	98	93	90	86	81	74	98
61	70	77	84	86	88	93	97	95	95	87	88	77	97
62	77	84	80	89	97	91	95	93	92	88	78	73	97
63	68	73	89	89	95	96	93	95	92	85	75	65	96
64	70	69	77	89	94	99	92	94	90	86	84	75	99
65	74	77	83	89	93	91	93	94	93	86	79	72	94
66	75	76	79	84	89	90	95	95	95	86	81	76	95
67	75	76	90	92	94	93	93	94	87	85	76	81	94
68	75	71	87	92	92	94	102	101	91	89	79	72	102
69	75	73	77	86	87	93	98	93	89	85	78	69	99
70	77	73	81	90	95	100	98	94	98	88	78	79	100
71	74	77	79	89	89	96	93	93	90	91	83	80	96
72	80	80	80	90	89	94	99	100	97	89	85	82	100
73	73	71	84	82	94	92	93	92	92	88	82	79	88
74	80	79	90	88	94	95	94	95	93	84	84	77	94
75	83	81	82	88	97	96	96	96	93	91	83	76	97
76	73	78	84	87	85	92	95	93	89	83	74	72	95
77	62	78	85	87	93	99	102	93	91	89	79	73	102
78	71	69	79	89	94	104	98	97	95	87	86	81	104
79	74	76	79	83	90	98	98	97	91	86	81	74	98
80	70	82	81	92	89	98	103	100	98	88	81	78	103
81	67	81	85	92	94	102	101	97	93	90	81	75	102
82	80	84	91	89	95	97	97	96	91	87	81	81	97
MEAN	73.5	76.4	82.3	88.4	92.3	96.8	96.4	95.4	92.3	87.4	81.0	75.7	91.9
S.D.	5.116	4.534	4.814	2.764	3.247	3.758	3.254	2.466	2.084	2.236	3.316	4.098	2.992
TOTAL OBS.	775	738	775	750	775	780	775	775	726	775	780	806	9162

**SMOS**

## EXTREME VALUES

92571

BEAUFORT, SC

**57-87**

STATION

STATION NAME

**YEARS**

[illegible]

## SMOS

## EXTREME VALUES

23631

REPORT, SC

57-42

STATION

STATION NAME

**YLANA**

•HOLE DEGREES FAHRENHEIT

[illegible]**SMOS**

## EXTREME VALUES

63499

REDFORT, SC

57-85

**PAYMENT**

STATE OF NEW YORK

**WLAN**

[illegible]**SMOS**

## 4

23478

REPORT, SC

22

484

**PAGE 1**

[illegible]

## PSYCHROMETRIC SUMMARY

07071 SEA FOR, SC

73-82

JAG

PAGE 2

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# PSYCHROMETRIC SUMMARY

93811  
STATION

BEAUFORT, SC

OFFICE NAME

73-82

NAME

PER  
DATE

PAGE 1  
OF 1

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb		Wet Bulb	Dew Point	
84/ 83															.0			1	1			
82/ 81								.5	.0					.0				3	3			
80/ 79						.0	.0											2	2			
78/ 77						.0	.1	.1		.0			.0					8	8			
76/ 75				.1	.1	.1	.3	.0		.0	.0	.0						17	17			
74/ 73		.0		.2	.0	.3	.1	.2	.1	.1	.1	.0	.0					32	32			
72/ 71			.2	.3	.0	.2	.1	.1	.1	.2	.1							31	31	1		
70/ 69		.1	.3	.4	.3	.2	.1	.1	.1	.1	.0	.0						93	93	7	1	
68/ 67		.7	.9	.9	.6	.4	.3	.2	.2	.1	.0							87	87	17	3	
66/ 65	.2	.9	.6	.5	.4	.3	.2	.2	.2	.3	.0							82	82	53	23	
64/ 63	.4	1.2	1.7	.3	.2	.4	.4	.4	.2	.1								108	108	77	55	
62/ 61	.1	1.4	1.1	.4	.3	.3	.3	.3	.1	.0								111	111	70	57	
60/ 59	.1	2.0	.4	.5	.4	.3	.4	.3	.2	.0								116	116	97	55	
58/ 57	.3	1.9	.8	.4	.7	.2	.3	.6	.0									118	118	117	100	
56/ 55	.3	.8	1.0	1.0	1.0	.4	.4	.2	.0									115	115	102	103	
54/ 53	.2	1.0	.9	.7	1.2	.6	.3		.0									116	117	91	69	
52/ 51	.2	1.1	1.4	.9	.8	.6	.2	.1										123	123	111	59	
50/ 49	.1	1.4	1.6	.8	.6	.9	.2	.1										129	129	126	79	
48/ 47	.1	1.7	1.1	.8	.6	.3	.3	.0										120	120	144	85	
46/ 45	.6	1.0	1.4	1.1	.8	.4	.3											125	125	159	107	
44/ 43	.4	1.8	1.3	1.0	.4	.5	.2											131	131	133	116	
42/ 41	.2	1.9	1.6	.8	.3	.3	.1											113	113	136	99	
40/ 39	.3	1.6	1.4	.6	.3	.1												106	106	151	133	
38/ 37	.4	1.3	1.2	.9	.9	.1												96	96	135	118	
36/ 35	.2	1.3	1.0	.3	.3													70	70	108	117	
34/ 33	.3	1.0	.8	.4	.4													64	64	102	113	
32/ 31	.2	.9	.9	.3	.0													54	54	79	116	
30/ 29	.2	1.0	.8	.2														51	51	75	109	
28/ 27	.4	.6	.7	.1														41	41	63	116	
26/ 25	.1	.7	.3															25	25	92	84	
24/ 23	.0	.4	.1															12	12	34	68	
22/ 21	.0	.1	.0															4	4	16	54	
20/ 19			.0															1	1	4	53	
18/ 17																				1	34	
Element (°F)	2.1		2.1		1		0.2		No Obs.		Mean No. of Hours with Temperature											
Ref. Hum.											10 F	125 F	147 F	170 F	180 F	190 F	200 F	Total				
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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## PSYCHROMETRIC SUMMARY

93031  
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1947

BEAUFORT, SC

**73-82**

**FEB**  
**1964**

**PAGE 2**  
**MOORE (L.B.T.)**

[illegible]



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## PSYCHROMETRIC SUMMARY

93831

**BEAUFORT, SC**

## STAYING POWER

73-82

**NAME**

**MAD**

**1987**

PAGE 1

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## NAVWEASERVCOM

MAR

**PAGE 2**  
**HOURS (L.S.T.)**

[illegible]

# PSYCHROMETRIC SUMMARY

92831

BEAUFORT, SC

73-82

APR

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
92/ 91													.0	.0					2	2					
90/ 89												.1	.0	.1					5	5					
88/ 87								.0	.0	.2	.2	.0							15	15					
86/ 85							.1	.1	.2	.1	.1	.1							18	18					
84/ 83						.0	.2	.0	.4		.2		.2						25	25					
82/ 81					.1	.2	.3	.3	.2	.1	.2	.1		.0					41	41					
80/ 79				.1	.3	.7	.7	.7	.2	.2	.3	.0	.1						80	80					
78/ 77				.1	.7	1.2	.8	.1	.3	.2	.2	.2	.0						96	96					
76/ 75			.0	.7	1.0	1.1	1.0	.2	.3	.4	.2	.1							121	121					
74/ 73			.4	.7	.7	.9	.7	.5	.4	.4	.2		.0						121	121	13				
72/ 71		.2	1.2	1.4	1.4	1.0	.7	.5	.5	.4	.0								179	179	37 2				
70/ 69	.0	1.2	2.3	1.6	.7	.7	.8	.3	.3	.1	.1	.0							203	203	119 21				
68/ 67	.2	2.6	3.2	1.0	.7	.7	.7	.6	.6	.3	.0								263	263	201 79				
66/ 65	.2	2.5	2.0	1.6	.7	.5	1.0	.5	.3	.2									229	229	255 151				
64/ 63	.3	2.3	1.2	1.1	.5	.6	.5	.3	.2	.1									172	172	258 206				
62/ 61	.2	2.2	1.1	.7	.7	.5	.6	.3	.2										162	162	219 231				
60/ 59	.2	1.2	1.7	1.0	.7	.5	.2	.4	.1										147	147	204 215				
58/ 57	.2	1.3	1.9	1.2	.6	.4	.1	.1											137	137	183 175				
56/ 55	.1	1.7	1.6	1.0	.3	.4	.2												127	127	188 152				
54/ 53	.0	.7	1.1	.4	.5	.2	.2												77	77	196 147				
52/ 51	.1	.7	.6	.2	.4	.1	.0												55	55	150 157				
50/ 49	.0	.7	.7	.4	.5	.1													58	58	128 193				
48/ 47		.3	.4	.1	.0	.0													22	22	83 124				
46/ 45		.3	.3	.2	.2														23	23	65 111				
44/ 43		.1	.2	.1															10	10	43 83				
42/ 41		.1	.1	.2															9	9	28 87				
40/ 39		.0		.1															3	3	17 77				
38/ 37																					6 63				
36/ 35																					7 52				
34/ 33																					43				
32/ 31																					22				
30/ 29																					26				
28/ 27																					20				
26/ 25																					15				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\Sigma$		$\Sigma X$		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											10 F	102 F	107 F	170 F	190 F	195 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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**PAGE 1**  
**HOURS (L.S.T.)**

**NAAVWEASETV.COM**

## 4

BEAUFORT, SC

73-82

WAV

### NOTES

PAGE 2

1901 (L. S. T.)

**NAVWEASERVCOM**

# PSYCHROMETRIC SUMMARY

93831

BEAUFORT, SC

73-82

JUN

STATION

STATION NAME

YEAR

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
100/ 99										.1	.2	.0						8	8						
98/ 97								.0	.1	.1	.2	.0	.1					13	13						
96/ 95							.0	.2	.2	.2	.2	.2						25	25						
94/ 93							.1	.4	.3	.5	.2	.1		.0				38	38						
92/ 91						.1	.3	.5	.4	.4	.2	.1	.0					50	50						
90/ 89					.2	.6	.7	1.1	.4	.2	.1		.1					82	82						
88/ 87				.2	.6	1.2	1.7	.7	.4	.2	.2	.0						127	127						
86/ 85			.0	.3	1.1	1.9	1.3	.5	.4	.4								141	141						
84/ 83			.5	1.2	2.1	1.8	1.0	.7	.4	.0			.0					185	185	5					
82/ 81		.2	1.5	2.2	2.4	1.1	.8	.6	.1	.2		.0						221	221	13	4				
80/ 79	.1	.9	2.1	2.9	1.5	1.1	.2	.2	.2									220	220	90	17				
78/ 77	.1	2.3	4.1	2.3	1.6	.4	.3	.1										269	269	241	70				
76/ 75	.2	4.5	4.5	2.0	.9	.4	.2											305	305	378	192				
74/ 73	.4	4.7	4.1	1.6	.4	.2	.2	.0	.1									281	281	486	344				
72/ 71	.4	3.7	1.7	1.0	.2		.1	.0										169	169	426	471				
70/ 69	.5	2.5	1.6	.6	.2													128	128	313	411				
68/ 67	.2	1.1	1.3	.4		.1												74	74	186	306				
66/ 65	.0	.5	.5	.2	.0													32	32	103	187				
64/ 63		.2	.2	.2		.1												16	16	74	138				
62/ 61		.2	.1	.0		.0												9	9	26	95				
60/ 59		.1	.2		.0													7	7	21	66				
58/ 57																				11	44				
56/ 55																				3	20				
54/ 53																				2	16				
52/ 51																				2	7				
50/ 49																					2				
48/ 47																					3				
46/ 45																					3				
44/ 43																					1				
42/ 41																					3				
TOTAL	1.9	20.7	22.5	15.1	11.2	9.2	7.0	5.1	3.0	2.2	1.3	.5	.3	.0				2400	2400	2400	2400				
Element (X)	Z <sub>1</sub>		Z <sub>2</sub>		Z		C <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	14043286		179604		74.8		15.849		2400		10 F	11 F	12 F	13 F	14 F	15 F	16 F	17 F	18 F	Total					
Dry Bulb	14943583		188635		74.6		6.990		2400																
Wet Bulb	12562617		173309		72.2		4.458		2400																
Dew Point	11544783		165979		69.2		5.294		2400																

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## 4

JUL

**MENT**

MONROE (L. S. Y.)

NAVWEASERVCOM



[illegible]



# PSYCHROMETRIC SUMMARY

17831

REAFORT, SC

73-92

007

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
92/ 89									.0	.0	.0								3	3				
90/ 87									.0	.1	.0								4	4				
88/ 85					.0	.2	.3	.0	.2	.1	.1					.0			25	25				
86/ 82				.2	.1	.0	.0	.0	.1	.1									39	39				
82/ 81			.0	.3	.3	.0	.5	.4	.0	.1	.1	.0							50	50				
80/ 79			.3	.7	.7	1.0	.8	.5	.0	.3	.1								110	110	1			
79/ 77		.2	.0	.0	1.0	.0	.0	.4	.5	.3		.0	.0						116	116	3			
76/ 75		.0	.0	.0	.7	.7	.7	.0	.0	.2	.2								130	130	26			
74/ 73	.1	.3	1.7	1.0	.9	.9	.4	.4	.2	.0									149	149	65			
72/ 71	.1	.0	1.0	1.3	.7	.5	.0	.3	.3	.2	.0								160	160	109			
70/ 69	.1	1.0	2.0	.0	.0	.5	.7	.7	.0	.1	.0								198	198	167			
68/ 67	.0	.0	3.0	1.0	.3	.7	.4	.0	.3	.2									193	193	182			
66/ 65	.1	1.3	2.7	1.2	.0	.0	.2	.3	.2	.0									175	175	203			
64/ 63	.2	1.9	1.0	1.0	.0	.3	.2	.3	.2										170	170	226			
62/ 61	.2	1.7	1.7	1.1	.0	.0	.2	.2	.0										160	160	190			
60/ 59	.2	1.0	2.1	.0	.0	.0	.3	.2											150	150	109			
58/ 57	.1	1.2	1.9	1.2	.5	.7	.1												133	133	196			
56/ 55	.1	1.2	1.7	1.2	.2	.7	.0												110	110	179			
54/ 53		.5	2.1	.0	.0	.1	.0												92	92	151			
52/ 51		.7	1.0	.7	.0	.1													92	92	152			
50/ 49		.0	1.0	.3	.2	.1													69	69	122			
48/ 47	.7	.0	1.2	.0	.0														50	50	120			
46/ 45		.0	.0	.1	.1														37	37	80			
44/ 43		.2	.0	.2															20	20	69			
42/ 41	.1	.0	.0	.0	.0														17	17	29			
40/ 39		.1	.1	.2															6	6	21			
38/ 37		.0																	1	1	13			
36/ 35		.1																	2	2	3			
34/ 33																					3			
32/ 31		.0																	1	1	1			
30/ 29																					16			
28/ 27																					5			
26/ 25																					3			
24/ 23																					1			
Station (Z)	Z <sub>1</sub>		Z <sub>2</sub>		Z		Z <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature													
Ref. Hum.											10 F	120 F	140 F	175 F	100 F	100 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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## 4

73-82

**YEAR**

**OCT**  
**NORTH**

PAGE 2  
HOURS (L S T)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
77.1	1.3	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0					24.80	24.80	24.80	24.80		

# PSYCHROMETRIC SUMMARY

97831

BEAUFORT, SC

73-82

NOV

PAGE 1

NOV 1973 (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point						
84/ 83								.0		.0								2		2						
82/ 81						.1	.2	.1		.1								10		10						
80/ 79			.1		.0	.4	.3	.7		.1	.0							24		24						
78/ 77				.0	.5	.6	.2	.3	.0	.0	.1							39		39						
76/ 75			.2	.4	.4	.7	.7	.4	.1	.1	.2	.0						77		77	1					
74/ 73		.1	.4	.9	.4	.6	.4	.1	.2	.2	.0							80		80	2					
72/ 71	.0	.3	.9	.6	.4	.8	.2	.2	.2	.2	.1							100		100	21					
70/ 69		.9	2.0	1.1	.7	.4	.3	.3	.3	.1	.0							146		146	69					
68/ 67	.0	1.3	1.7	1.1	.4	.2	.3	.3	.2	.2								132		132	92					
66/ 65	.4	1.3	2.3	1.1	.8	.3	.5	.4	.3	.0	.1							178		178	138					
64/ 63	.4	2.9	1.9	1.5	.4	.4	.2	.3	.2	.2	.0							190		190	188					
62/ 61	.3	1.8	1.5	.9	.4	.5	.4	.4	.3	.0								158		158	189					
60/ 59	.2	1.2	1.9	.9	.4	.5	.5	.3	.1	.0								144		144	156					
58/ 57	.4	.9	1.8	.7	.3	.5	.4	.5	.1									140		140	159					
56/ 55	.3	.8	1.7	1.0	.4	.6	.2	.1										135		135	125					
54/ 53	.1	1.0	1.4	.8	.9	.3	.4	.1	.0									120		120	128					
52/ 51	.3	1.1	.8	.5	.5	.5	.4	.1										102		102	149					
50/ 49	.3	1.0	1.2	1.0	.7	.3	.1											113		113	137					
48/ 47	.4	.8	1.7	1.0	.4	.3	.2											99		99	135					
46/ 45	.3	1.3	.9	.8	.4	.3	.1											100		100	126					
44/ 43	.2	.7	1.2	.4	.3	.1												67		67	120					
42/ 41	.3	.9	.9	.9	.1	.0												76		76	116					
40/ 39	.1	.4	1.1	.4	.0													54		54	103					
38/ 37		.3	1.0	.3	.0													42		42	77					
36/ 35		.4	.5	.2														25		25	59					
34/ 33	.0	.5	.3	.0														20		20	50					
32/ 31	.1	.3	.1															12		12	29					
30/ 29	.0	.2	.1															9		9	17					
28/ 27		.2																4		4	9					
26/ 25		.0																1		1	4					
24/ 23																										
22/ 21																										
20/ 19																										
18/ 17																										
Element (X)	Z <sub>1</sub>		Z <sub>2</sub>		Z <sub>3</sub>		Z <sub>4</sub>		Z <sub>5</sub>		Z <sub>6</sub>		Z <sub>7</sub>		Z <sub>8</sub>		Z <sub>9</sub>		Z <sub>10</sub>		Z <sub>11</sub>		Z <sub>12</sub>		Z <sub>13</sub>	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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NOV 11 1971

[illegible]

# PSYCHROMETRIC SUMMARY

93831 BEAUFORT, SC

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
80 / 79					.1	.0												3	3						
76 / 77			.0	.1	.2	.1	.0											11	11						
76 / 75		.0	.0	.2	.1	.2	.2											18	18						
74 / 73	.0	.1	.2	.3	.2	.2	.1	.1	.1									33	33	3	2				
72 / 71	.0	.1	.3	.2	.4	.2	.1	.0	.0	.1								41	41	12	3				
70 / 69	.0	.2	.3	.2	.2	.1	.2	.1	.0									36	36	18	9				
68 / 67	.1	.3	.8	.4	.1	.2	.2	.2	.1	.2	.0							60	60	31	19				
66 / 65	.2	.8	.6	.6	.3	.2	.1		.1	.0								75	75	46	34				
64 / 63	.4	1.5	1.2	.5	.2	.2	.1	.1	.2	.0								112	112	72	57				
62 / 61	1.0	1.7	.6	.7	.3	.2	.2	.4	.3	.0								136	136	114	74				
60 / 59	.9	1.5	1.2	.7	.2	.3	.2	.1	.2	.2								137	137	111	108				
58 / 57	.6	1.5	.7	.6	.5	.5	.3	.2	.0									125	125	122	92				
56 / 55	.8	1.5	1.0	.7	.6	.6	.4	.3	.0									148	148	108	106				
54 / 53	.6	1.2	1.6	.7	.6	.6	.4											140	140	109	90				
52 / 51	.8	1.5	1.6	1.1	.8	.5	.5	.2										175	175	104	105				
50 / 49	.5	1.5	1.2	.9	.6	.5	.3	.0										134	134	150	87				
48 / 47	.2	2.2	1.4	1.1	.8	.6	.2	.0										164	164	155	110				
46 / 45	.6	2.1	1.5	.9	.8	.5	.1											163	163	178	124				
44 / 43	.3	1.8	1.5	1.3	.7	.3	.0											145	145	170	105				
42 / 41	.2	1.1	1.0	1.3	.7	.4												114	114	154	117				
40 / 39	.1	.9	1.3	1.3	.4	.2												100	100	138	120				
38 / 37	.2	.9	1.0	.5	.6	.2												87	87	123	110				
36 / 35	.4	1.1	.8	.6	.1													73	73	142	105				
34 / 33	.1	1.2	1.2	.6	.2													84	84	103	110				
32 / 31	.3	1.3	.4	.6	.2													68	68	82	104				
30 / 29	.0	.7	.8	.1														43	43	98	119				
28 / 27	.1	.6	.3	.1														26	26	49	122				
26 / 25		.3	.1	.0														11	11	49	101				
24 / 23		.2	.1															7	7	16	76				
22 / 21		.2	.0															6	6	11	60				
20 / 19		.1																3	3	6	51				
18 / 17																				4	43				
16 / 15																					45				
14 / 13																					35				
Element (X)	Σx <sup>2</sup>			Σx			Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature														
Ref. Hum.											≤ 6 F	≤ 22 F	≤ 67 F	≤ 78 F	≤ 88 F	≤ 98 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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## 4

DEC

**MONTH**

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**PAGE 1**  
**HOURS (L.S.T.)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.S./W.S.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
104/103											.0	.0						1	1						
100/99											.0	.0						14	14						
98/97									.0	.0	.0	.0		.0				31	31						
96/95							.0	.1	.1	.1	.0	.0						76	76						
94/93						.0	.0	.1	.2	.1	.0	.0		.0				141	141						
92/91				.0	.0	.1	.2	.3	.2	.1	.0	.0		.0				268	268						
90/89			.0	.0	.0	.2	.6	.4	.1	.1	.0	.0		.0				437	437						
88/87			.0	.0	.2	.6	.7	.2	.1	.1	.1	.0		.0				590	590						
86/85			.0	.1	.7	1.0	.4	.2	.1	.1	.0	.0		.0		.0		811	811	3					
84/83		.0	.1	.7	1.0	.6	.3	.3	.1	.1	.0	.0		.0		.0		968	968	17					
82/81	.0	.1	.6	1.1	.8	.5	.3	.2	.1	.1	.1	.0		.0		.0		1119	1119	125					
80/79	.0	.3	1.2	1.2	.8	.5	.3	.2	.1	.1	.1	.0		.0		.0		1408	1408	487					
78/77	.1	1.0	1.9	1.0	.7	.4	.3	.2	.1	.1	.0	.0		.0				1726	1726	1405					
76/75	.2	1.7	2.0	.9	.6	.4	.4	.2	.1	.1	.1	.0		.0				1956	1956	2017					
74/73	.3	1.8	1.8	1.0	.4	.4	.2	.2	.2	.1	.0	.0		.0				1861	1861	2420					
72/71	.2	1.3	1.4	.8	.5	.3	.2	.2	.1	.1	.0	.0		.0				1528	1528	2026					
70/69	.1	1.2	1.4	.6	.4	.3	.2	.2	.2	.1	.0	.0		.0				1383	1383	1725					
68/67	.1	1.1	1.5	.6	.3	.3	.2	.2	.1	.1	.0	.0						1353	1353	1565					
66/65	.2	1.1	1.2	.6	.3	.2	.2	.1	.1	.1	.0	.0						1243	1243	1474					
64/63	.3	1.3	.8	.6	.3	.3	.1	.2	.1	.0	.0	.0						1208	1208	1488					
62/61	.4	1.2	.8	.5	.3	.3	.2	.2	.1	.0	.0	.0						1166	1166	1482					
60/59	.3	1.0	.9	.5	.3	.2	.2	.2	.1	.0	.0	.0						1088	1088	1220					
58/57	.2	.8	.8	.5	.4	.2	.2	.1	.0	.0	.0	.0						965	965	1218					
56/55	.2	.7	.8	.5	.3	.3	.3	.1	.0	.0	.0	.0						932	932	1051					
54/53	.2	.6	.8	.4	.4	.2	.2	.0	.0	.0	.0	.0						823	823	983					
52/51	.2	.7	.6	.4	.4	.2	.1	.0	.0	.0	.0	.0						773	773	949					
50/49	.2	.6	.7	.4	.3	.2	.1	.0	.0	.0	.0	.0						747	749	982					
48/47	.1	.8	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0						725	725	902					
46/45	.2	.7	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0						697	697	910					
44/43	.1	.7	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0						667	667	828					
42/41	.1	.5	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0						518	518	728					
40/39	.1	.4	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0						438	438	633					
38/37	.1	.4	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0						368	368	544					
36/35	.1	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0						287	287	407					
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≥ 6 F		≥ 32 F		≥ 67 F		≥ 72 F		≥ 80 F		≥ 86 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

**PAGE 2**  
**HOURS (L.S.T.)**

[illegible]

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93831 BEAUFORT, SC

73-82

STATION		STATION NAME												YEARS													
HRS.(L.S.T.)		JAN.		FEB.		MAR.		APR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL	
01	MEAN	44.2		46.0		54.7		60.8		67.9		74.0		76.7		75.8		72.3		60.4		53.8		46.7		61.2	
	S. D.	11.235		10.948		8.911		6.721		5.769		4.361		3.161		3.181		4.803		8.224		10.103		11.161		14.039	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
04	MEAN	42.9		44.3		53.3		58.5		66.0		72.4		75.2		74.3		70.8		58.6		52.4		45.3		59.6	
	S. D.	11.819		11.183		9.585		7.371		6.169		4.334		2.897		3.043		4.908		8.406		10.423		11.377		14.175	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
07	MEAN	41.6		43.0		52.4		59.3		68.3		74.4		76.7		75.3		70.9		58.0		51.2		44.2		59.7	
	S. D.	12.084		11.587		9.942		7.192		5.658		4.061		2.919		3.188		5.082		8.523		10.932		11.329		15.169	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
10	MEAN	47.7		51.3		61.1		69.1		76.9		82.0		84.5		83.1		79.2		68.9		60.8		51.5		68.1	
	S. D.	11.119		10.967		9.265		7.053		5.868		5.223		4.014		4.315		5.582		7.681		9.062		9.948		15.020	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		310		3651	
13	MEAN	54.4		58.2		66.8		74.0		80.8		85.5		88.0		86.6		83.0		74.3		67.3		57.7		73.1	
	S. D.	11.570		11.445		10.074		7.365		5.982		6.157		5.414		5.249		5.817		7.690		8.950		10.167		14.199	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
16	MEAN	55.4		59.3		67.2		73.8		80.1		84.7		86.8		85.7		82.1		74.0		67.1		58.4		72.9	
	S. D.	11.197		10.741		9.430		6.901		5.841		6.577		5.490		5.277		5.463		7.324		8.272		9.451		13.391	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
19	MEAN	48.9		52.3		60.6		67.6		74.6		79.8		81.9		80.4		76.6		66.2		58.6		51.4		66.7	
	S. D.	10.317		9.407		8.131		5.868		4.889		5.313		4.501		4.074		4.558		7.143		8.624		9.215		13.602	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		309		3650	
22	MEAN	45.6		48.2		57.0		63.1		70.4		76.8		78.5		77.5		73.9		62.4		55.5		48.4		63.1	
	S. D.	10.822		10.318		8.413		5.852		5.144		4.244		3.339		3.424		4.843		7.889		9.532		10.182		13.814	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		299		309		3650	
ALL HOURS	MEAN	47.6		50.3		59.1		65.8		73.1		78.6		81.0		79.8		76.1		65.3		58.3		50.5		65.8	
	S. D.	12.240		12.240		10.780		8.952		7.830		6.991		6.172		6.086		6.888		9.961		11.191		11.822		15.184	
	TOTAL OBS	2880		2284		2474		2400		2400		2400		2400		2400		2400		2400		2195		2474		29211	

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# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93831

BEAUFORT, SC

73-82

STATION		STATION NAME												YEARS													
MRS.(L.S.T.)		JAN.		FEB.		MAR.		APR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL	
01	MEAN	41.6		42.8		51.5		56.8		64.5		70.9		73.4		72.7		69.2		56.9		50.4		43.8		57.9	
	S. D.	11.827		10.928		9.407		7.422		6.212		4.300		2.696		2.823		5.122		8.517		10.383		11.568		14.140	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		310		3651	
04	MEAN	40.5		41.5		50.5		55.2		63.3		69.7		72.4		71.7		68.1		55.5		49.3		42.7		56.8	
	S. D.	12.323		11.294		10.112		7.936		6.741		4.430		2.595		2.864		5.334		8.704		10.661		11.568		14.338	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		310		3651	
07	MEAN	39.5		40.7		49.8		56.0		65.1		71.1		73.6		72.6		68.4		55.1		48.5		41.9		56.9	
	S. D.	12.482		11.724		10.391		7.825		6.304		4.214		2.525		3.071		5.503		8.917		11.150		11.557		15.105	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		310		3651	
17	MEAN	43.7		46.1		54.7		60.1		67.8		73.6		76.4		75.5		72.1		61.1		54.5		46.9		61.1	
	S. D.	11.901		11.051		9.545		7.434		5.882		4.254		2.674		2.863		5.232		8.169		9.621		10.730		14.014	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		310		3651	
13	MEAN	47.5		49.6		56.8		61.7		68.7		74.1		77.0		76.2		73.1		62.8		57.2		50.1		63.0	
	S. D.	11.270		10.439		9.170		6.981		5.524		4.127		2.851		2.969		4.714		7.412		9.190		10.330		12.866	
	TOTAL OBS	310		281		310		300		310		300		310		310		300		310		300		310		3651	
16	MEAN	48.0		50.0		57.1		61.6		68.7		74.0		76.8		76.0		72.8		62.7		57.0		50.4		63.0	
	S. D.	10.934		9.845		8.663		6.509		5.332		4.099		2.957		2.871		4.467		7.160		8.708		9.980		12.481	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
19	MEAN	44.7		46.7		54.5		59.8		67.2		72.6		75.2		74.5		71.0		60.4		53.7		47.1		60.7	
	S. D.	11.031		9.564		8.415		6.244		5.270		4.382		2.617		2.868		4.494		7.469		9.218		10.184		13.112	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		300		309		3650	
22	MEAN	42.5		44.5		53.0		58.2		66.1		71.8		74.4		73.5		70.1		58.4		51.7		45.1		59.2	
	S. D.	11.367		10.223		8.812		6.684		5.598		4.064		2.670		2.814		5.032		8.884		9.873		10.774		13.760	
	TOTAL OBS	310		282		309		300		310		300		310		310		300		310		299		309		3649	
ALL HOURS	MEAN	43.5		45.2		53.5		58.6		66.4		72.2		74.9		74.1		70.6		59.1		52.8		44.0		59.8	
	S. D.	11.994		11.130		9.671		7.519		6.161		4.455		3.188		3.304		5.314		8.874		10.374		11.242		13.946	
	TOTAL OBS	2480		2258		2474		2485		2485		2485		2485		2485		2485		2485		2485		2474		29234	

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93831 BEAUFORT, SC

73-82

STATION		STATION NAME												YEAR
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	37.3	38.7	48.2	53.4	62.4	69.3	71.9	71.3	67.5	54.1	44.8	40.0	55.2
	S. D.	14.907	13.057	11.612	9.595	7.491	4.883	3.010	3.102	5.883	9.754	12.310	13.842	15.994
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3451
04	MEAN	36.7	37.7	47.6	52.2	61.5	68.3	71.1	70.5	66.6	52.9	44.1	39.1	54.3
	S. D.	15.100	13.337	12.153	9.800	7.841	5.068	2.909	3.223	6.073	9.894	12.443	13.645	16.080
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3451
07	MEAN	35.8	37.2	47.1	53.1	63.0	69.4	72.3	71.3	67.0	52.5	43.5	38.3	54.5
	S. D.	15.157	13.748	12.195	9.645	7.654	4.934	2.868	3.437	6.273	10.234	12.740	13.549	16.682
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3451
10	MEAN	37.9	39.7	48.4	53.1	62.5	69.6	73.0	72.3	68.6	55.3	48.5	41.1	55.9
	S. D.	15.832	14.353	12.862	10.949	8.338	5.308	3.210	3.392	6.680	10.821	13.202	14.290	16.494
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3451
13	MEAN	39.1	40.0	47.9	52.5	61.6	68.8	72.3	71.8	68.2	54.5	48.2	41.3	55.4
	S. D.	15.864	14.554	13.203	11.010	8.835	5.659	3.535	3.744	6.353	10.607	13.790	15.154	16.373
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	300	310	3451
16	MEAN	39.0	39.6	48.1	52.3	62.0	68.9	72.6	71.8	68.2	54.5	47.7	41.2	55.6
	S. D.	15.921	14.617	13.135	11.024	8.730	5.791	3.743	3.600	6.212	10.678	13.761	15.414	16.493
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3452
19	MEAN	38.8	40.1	48.5	53.3	62.7	69.2	72.4	71.9	68.2	54.2	49.0	41.9	56.1
	S. D.	14.958	12.981	11.994	9.876	7.761	5.264	3.271	3.343	5.594	9.268	11.660	13.625	15.603
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3450
22	MEAN	37.7	39.9	49.1	54.3	63.5	69.8	72.7	71.7	68.2	55.3	48.0	40.8	56.0
	S. D.	14.659	12.441	11.268	9.172	6.913	4.772	3.044	3.213	5.788	9.434	11.924	13.486	15.724
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	299	309	3449
ALL HOURS	MEAN	37.8	39.1	48.1	53.0	62.4	69.2	72.3	71.6	67.8	54.4	47.5	40.5	55.4
	S. D.	15.324	13.677	12.314	10.167	7.985	5.246	3.252	3.424	6.146	10.154	12.780	14.178	16.196
	TOTAL OBS	2880	2258	2479	2400	2480	2400	2480	2480	2400	2480	2399	2478	29206

NAVWEASERVCOM

# RELATIVE HUMIDITY

93A31 BEAUFORT, SC

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.7	96.8	90.0	83.8	72.5	53.4	27.2	78.4	309
	04	100.0	100.0	100.0	99.0	93.5	85.8	76.1	58.3	30.1	80.1	309
	07	100.0	100.0	100.0	99.4	95.5	88.0	76.7	58.6	31.7	81.1	309
	10	100.0	100.0	99.0	94.2	82.6	68.7	52.6	36.5	17.4	70.9	310
	13	100.0	99.7	91.9	75.5	62.3	45.8	32.9	21.9	10.0	59.7	310
	16	100.0	98.7	87.7	73.9	56.8	43.5	31.0	21.6	11.0	56.1	310
	19	100.0	100.0	98.1	91.9	82.6	68.4	52.9	36.1	16.1	70.4	310
	22	100.0	100.0	99.0	96.4	89.0	79.0	68.3	48.2	21.4	76.1	309
TOTALS		100.0	99.8	96.9	90.9	81.5	70.3	57.9	41.8	20.4	71.9	2476

NAVWEASERVCOM

# RELATIVE HUMIDITY

93831 BEAUFORT, SC

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	99.6	97.9	92.9	83.0	71.6	51.8	19.9	77.3	282
	04	100.0	100.0	100.0	98.9	95.0	85.1	72.0	54.6	24.8	79.1	282
	07	100.0	100.0	100.0	99.6	95.7	89.4	78.4	58.2	29.1	81.1	282
	10	100.0	100.0	99.6	91.8	76.2	60.6	44.3	28.0	12.4	67.0	282
	13	100.0	99.3	87.2	70.5	51.6	35.9	23.8	15.3	6.4	54.6	281
	16	100.0	96.1	80.1	63.5	50.0	34.4	23.4	13.8	5.7	52.3	282
	19	100.0	100.0	97.9	86.2	75.9	61.7	46.5	22.7	7.8	65.7	282
	22	100.0	100.0	99.3	96.8	91.1	81.6	69.1	39.7	14.2	74.7	282
TOTALS		100.0	99.4	98.5	88.2	78.6	66.5	53.6	38.5	15.0	69.0	2255

NAVWEASERVCOM

# RELATIVE HUMIDITY

93831 BEAUFORT, SC

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	97.1	94.5	88.7	77.3	60.2	25.2	80.3	309
	04	100.0	100.0	100.0	99.4	95.1	89.6	79.9	63.8	30.4	81.9	309
	07	100.0	100.0	100.0	100.0	98.4	90.6	82.2	65.4	30.4	83.1	309
	10	100.0	100.0	99.4	88.3	76.7	59.5	41.7	23.6	11.0	65.8	309
	13	100.0	99.4	89.4	70.0	53.5	35.2	22.9	15.5	5.2	54.3	310
	16	100.0	97.4	86.5	70.0	55.2	39.4	22.3	13.2	5.2	54.3	310
	19	100.0	99.7	96.1	88.7	77.0	64.4	46.0	30.7	9.1	66.9	309
	22	100.0	99.7	98.7	95.5	92.2	84.5	70.9	48.2	18.8	76.7	309
TOTALS		100.0	99.5	96.3	88.4	80.3	69.0	55.4	40.1	16.9	70.4	2474

NAYWEASERVCOM



# RELATIVE HUMIDITY

93831 BEAUFORT, SC

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	99.7	98.3	94.0	85.3	78.0	55.7	11.7	77.9	300
	04	100.0	100.0	100.0	99.7	96.7	89.7	79.3	64.3	18.7	80.7	300
	07	100.0	100.0	100.0	99.7	98.3	90.7	79.3	61.3	20.0	80.9	300
	10	100.0	100.0	97.0	87.7	67.3	45.7	22.3	10.7	2.3	58.7	300
	13	100.0	99.3	86.7	67.7	46.3	23.7	13.3	5.3	1.3	49.7	300
	16	100.0	98.0	83.7	65.0	47.3	26.7	13.7	8.3	2.7	50.2	300
	19	100.0	100.0	96.0	86.3	75.3	57.3	34.0	15.7	4.7	62.7	300
	22	100.0	100.0	99.3	97.3	90.7	84.0	68.0	40.7	6.3	74.5	300
TOTALS		100.0	99.7	95.3	87.7	77.0	62.9	48.3	32.8	8.9	66.9	2400

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# RELATIVE HUMIDITY

93831

BEAUFORT, SC

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.3	98.7	95.0	77.3	28.3	85.7	300
	04	100.0	100.0	100.0	100.0	99.7	98.3	96.3	85.0	36.0	87.3	300
	07	100.0	100.0	100.0	100.0	99.7	99.3	95.0	72.3	26.0	84.8	300
	10	100.0	100.0	100.0	99.0	93.0	72.3	38.0	14.0	1.3	67.2	300
	13	100.0	100.0	99.0	91.7	72.0	43.0	17.0	9.0	2.7	59.2	300
	16	100.0	100.0	98.7	90.3	73.7	51.3	27.3	13.0	4.0	61.4	300
	19	100.0	100.0	99.7	99.3	92.3	79.0	53.0	25.7	7.3	71.3	300
	22	100.0	100.0	100.0	100.0	99.7	98.0	88.0	59.7	14.7	81.8	300
TOTALS		100.0	100.0	99.7	97.5	91.2	80.0	63.7	44.5	15.0	70.8	2400

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**AUG**

**NORTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	103.0	100.0	100.0	100.0	100.0	100.0	99.4	80.6	29.0	86.4	310
	04	100.0	100.0	100.0	100.0	100.0	100.0	99.7	86.1	39.0	88.3	310
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.4	82.3	37.4	88.0	310
	10	100.0	100.0	100.0	100.0	99.0	84.8	47.1	17.1	4.5	70.7	310
	13	100.0	100.0	100.0	97.7	86.5	52.6	21.6	11.0	3.9	62.5	310
	16	100.0	100.0	100.0	99.4	89.7	58.4	27.1	12.3	4.8	64.7	310
	19	100.0	100.0	100.0	100.0	100.0	94.8	66.5	31.9	10.3	76.1	310
	22	100.0	100.0	100.0	100.0	100.0	100.0	92.6	61.0	19.0	83.0	310
TOTALS		100.0	100.0	100.0	99.6	96.9	86.3	69.2	47.8	18.5	77.5	2480

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DEC

**MONTH**

**73-82**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	99.7	99.0	94.6	85.2	73.9	51.9	22.6	78.8	310
	04	100.0	100.0	100.0	99.0	96.5	88.1	73.5	55.5	21.6	79.8	310
	07	100.0	100.0	100.0	99.4	97.1	91.3	76.1	62.3	25.8	81.2	310
	10	100.0	100.0	100.0	95.8	81.9	65.5	49.0	32.3	13.2	69.6	310
	13	100.0	99.4	90.6	74.5	56.8	43.2	29.4	19.4	8.4	58.0	310
	16	100.0	98.1	85.5	71.9	57.1	41.6	31.0	19.4	7.4	56.8	310
	19	100.0	100.0	99.4	95.1	87.1	73.1	56.6	34.6	12.3	71.6	309
	22	100.0	100.0	99.7	97.1	90.9	82.2	67.6	47.2	19.7	76.6	309
TOTALS		100.0	99.7	96.9	91.5	82.6	71.3	57.1	40.3	16.4	71.6	2478

NAVWEASERVCOM

# RELATIVE HUMIDITY

93831 BEAUFORT, SC

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.8	96.9	90.9	81.5	70.3	57.9	41.8	20.6	71.9	2476
FEB		100.0	99.4	95.5	88.2	78.6	66.5	53.6	35.5	15.0	69.0	2255
MAR		100.0	99.5	96.3	88.6	80.3	69.0	55.4	40.1	16.9	70.4	2474
APR		100.0	99.7	95.3	87.7	77.0	62.9	48.5	32.8	8.5	66.9	2400
MAY		100.0	99.9	98.2	93.2	85.5	73.4	58.3	40.7	11.5	71.8	2480
JUN		100.0	100.0	99.7	97.5	91.2	80.0	63.7	44.5	15.0	74.8	2400
JUL		100.0	100.0	100.0	99.4	95.1	84.9	67.0	44.4	14.4	76.3	2480
AUG		100.0	100.0	100.0	99.6	96.9	86.3	69.2	47.8	18.5	77.5	2480
SEP		100.0	100.0	99.9	98.8	94.9	86.8	69.6	49.5	14.2	77.1	2400
OCT		100.0	99.9	98.6	92.7	84.0	72.1	57.3	34.6	7.8	78.3	2480
NOV		100.0	99.6	96.8	90.8	82.4	71.1	55.7	35.8	10.8	78.1	2399
DEC		100.0	99.7	96.9	91.5	82.8	71.3	57.1	40.3	16.4	71.6	2478
TOTALS		100.0	99.8	97.8	93.2	85.9	74.5	59.4	40.7	14.8	72.3	29282

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

43831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JANUARY

MONTH

HOURS 11,5,7,1

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81			7.1		35.7	7.1	42.9	7.1		14	.6
72 TO 76	2.5		2.5	2.5	27.5	25.0	30.0	10.0		40	1.6
67 TO 71	1.1		3.2	4.3	40.4	17.0	24.5	6.4	3.2	94	3.8
62 TO 66	2.4	1.0	4.3	6.7	31.0	23.8	21.0	3.3	6.7	217	8.5
57 TO 61	4.0	6.2	9.8	10.5	19.3	14.2	20.4	5.5	10.2	275	11.1
52 TO 56	5.1	11.5	11.5	6.4	13.2	10.5	19.0	5.8	16.9	295	11.9
47 TO 51	7.9	16.5	7.9	1.8	6.8	7.3	19.9	8.9	22.8	381	15.4
42 TO 46	12.5	13.8	2.7	1.3	3.4	5.8	25.5	14.9	20.2	377	15.2
37 TO 41	19.3	14.6	2.0	1.0	1.3	2.7	26.2	10.6	22.3	301	12.1
32 TO 36	16.8	10.3	1.3		.4	3.0	26.7	13.8	27.6	232	9.4
27 TO 31	17.3	6.8				2.4	22.6	19.0	32.1	168	6.8
22 TO 26	8.2	8.2				3.5	16.4	17.8	43.8	73	2.9
17 TO 21	22.2						22.2	38.9	16.7	18	.7
12 TO 16							50.0		50.0	2	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.9	10.2	5.0	3.3	10.3	6.9	22.6	10.3	19.3	2465	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

FEBRUARY

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86						33.3	66.7			3	.1
77 TO 81					27.3	18.2	27.3	9.1	18.2	11	.5
72 TO 76		1.5	3.0	12.1	31.8	21.2	18.2	12.1		66	2.9
67 TO 71	.7	1.4	5.6	12.5	35.4	13.9	22.2	4.9	3.5	144	6.4
62 TO 66	2.4	2.9	11.0	7.3	33.1	18.8	17.1	4.5	2.9	245	10.9
57 TO 61	5.2	4.5	12.1	9.0	18.3	12.4	16.9	12.1	9.7	290	12.9
52 TO 56	5.6	10.2	14.1	4.9	16.4	11.5	18.4	7.2	11.5	304	13.5
47 TO 51	13.0	14.3	9.7	2.3	9.0	6.0	17.7	13.3	14.7	300	13.3
42 TO 46	16.7	11.9	6.4	2.2	3.2	6.1	18.3	15.1	20.2	312	13.8
37 TO 41	15.4	16.2	5.4	.8	1.2	3.5	13.9	17.4	24.3	259	11.5
32 TO 36	13.2	20.8	3.1		.6	3.1	14.8	10.1	34.6	159	7.0
27 TO 31	27.3	9.1				1.7	13.2	15.7	33.1	121	5.4
22 TO 26	20.0	7.3				2.5	7.5	20.0	42.5	40	1.8
17 TO 21	50.0							50.0		2	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.3	9.9	6.1	4.5	13.1	9.2	17.0	11.8	14.1	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

REAFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MARCH

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86						22.2	66.7	11.1		9	.8
77 TO 81	2.7			11.1	11.1	27.8	33.3	11.1	5.6	18	.7
72 TO 76	1.7	1.1	5.2	8.1	41.9	18.9	21.6	6.8		78	3.0
67 TO 71	3.5	1.6	8.2	8.3	36.8	18.9	15.8	4.1	3.1	318	12.8
62 TO 66	2.7	5.8	15.8	10.6	32.0	11.0	10.2	5.2	7.3	518	20.9
57 TO 61	5.2	8.5	17.1	9.1	15.8	10.2	11.8	7.2	15.8	461	18.6
52 TO 56	7.1	12.7	11.8	3.6	7.1	6.3	18.3	11.2	21.6	338	13.6
47 TO 51	11.1	14.1	2.6	2.6	4.3	6.7	15.0	15.8	28.6	238	9.8
42 TO 46	1.8	15.3	2.1		1.1	1.6	15.3	16.3	31.6	190	7.7
37 TO 41	10.3	12.6	2.1		1.1	5.7	12.6	15.8	80.0	95	3.8
32 TO 36	13.0		4.3				8.7	13.0	60.9	23	.9
27 TO 31	30.8					7.7		30.8	30.8	12	.5
22 TO 26	36.4							36.4	27.3	11	.4
17 TO 21								100.0		1	.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.3	7.7	10.0	4.9		10.3	14.5	9.0	15.5	2877	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

9831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

APRIL  
MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96							100.0			1	.0
87 TO 91		8.8	8.8	8.8	8.8	23.8	87.6	8.8	8.8	21	.9
82 TO 86	18.3	1.6	1.6	6.3	18.9	23.8	25.8	9.5	1.6	63	2.6
77 TO 81	1.5	1.5	8.1	18.8	83.9	10.7	18.8	8.1	3.6	196	8.2
72 TO 76	2.7	1.8	10.0	13.6	37.3	13.9	13.3	8.8	2.8	330	13.8
67 TO 71	2.7	3.6	11.8	9.7	32.3	18.3	12.9	8.8	6.8	557	23.2
62 TO 66	3.3	5.3	15.2	8.7	18.3	11.2	15.7	6.7	15.7	897	36.5
57 TO 61	8.2	13.0	10.7	5.1	8.2	5.1	18.6	7.6	27.6	355	14.8
52 TO 56	9.0	9.8	8.1	.9	8.3	3.8	17.1	11.1	38.8	236	9.8
47 TO 51	11.8	6.7	2.9			5.7	14.3	17.1	81.9	105	4.4
42 TO 46	7.9	7.9				5.3	15.8	13.2	80.0	38	1.6
37 TO 41	28.6						14.3	14.3	82.9	7	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	5.6	10.2	8.2	22.1	18.9	18.2	7.0	14.9	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

47631  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MAY

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	6.3			6.3	18.8	18.8	18.8	25.0	6.3	16	.6
87 TO 91	8.2	2.4		9.4	17.6	17.6	27.1	9.4	8.2	85	3.8
82 TO 86	4.5	3.9	7.5	14.3	28.7	10.9	16.2	6.0	8.3	268	10.7
77 TO 81	4.2	3.3	7.9	14.8	34.2	15.5	12.8	2.0	5.3	453	18.3
72 TO 76	4.2	5.5	8.8	11.6	32.0	12.4	10.0	3.5	12.1	622	25.1
67 TO 71	6.7	8.7	11.6	6.4	15.5	13.1	12.1	2.9	23.0	595	24.0
62 TO 66	11.2	9.3	5.8	2.7	2.3	10.4	11.2	4.6	42.5	259	10.4
57 TO 61	15.8	9.2	2.3		.8	5.8	10.0	6.7	49.2	120	4.8
52 TO 56	31.1	3.3	1.6			1.6	9.8	6.6	45.9	61	2.5
47 TO 51									100.0	9	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -8											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.9	6.0	8.0	9.3	22.1	12.4	12.4	4.0	18.6	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

JUNE

MONTH

NO. OF OBS.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ENE & E	SSW & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
122 TO 123											
123 TO 124											
124 TO 125											
125 TO 126											
126 TO 127											
127 TO 128											
128 TO 129											
129 TO 130											
130 TO 131	19.0	8.8		8.8	8.8	18.3	19.0	23.8	9.5	21	.9
131 TO 132	6.9	1.1	1.1		12.6	17.2	16.8	16.1	8.0	87	3.6
132 TO 133	2.6	.9	3.8	7.2	27.2	16.6	24.7	11.9	5.5	235	9.8
133 TO 134	5.3	9.0	12.2	10.9	26.5	16.0	19.0	9.5	6.5	989	18.7
134 TO 135	3.8	5.5	11.6	10.9	27.3	18.1	10.8	2.7	10.1	587	28.5
135 TO 136	8.1	12.0	8.0	6.8	12.5	12.0	12.5	9.2	23.8	689	28.7
136 TO 137	18.7	18.9	9.9	3.0	9.5	9.9	7.1	8.2	34.0	268	11.2
137 TO 138	18.9	18.5					3.7	1.9	37.0	59	2.3
138 TO 139	50.0								50.0	10	.4
139 TO 140											
140 TO 141											
141 TO 142											
142 TO 143											
143 TO 144											
144 TO 145											
145 TO 146											
146 TO 147											
147 TO 148											
148 TO 149											
149 TO 150											
150 TO 151											
151 TO 152											
152 TO 153											
153 TO 154											
154 TO 155											
155 TO 156											
156 TO 157											
157 TO 158											
158 TO 159											
159 TO 160											
160 TO 161											
161 TO 162											
162 TO 163											
163 TO 164											
164 TO 165											
165 TO 166											
166 TO 167											
167 TO 168											
168 TO 169											
169 TO 170											
170 TO 171											
171 TO 172											
172 TO 173											
173 TO 174											
174 TO 175											
175 TO 176											
176 TO 177											
177 TO 178											
178 TO 179											
179 TO 180											
180 TO 181											
181 TO 182											
182 TO 183											
183 TO 184											
184 TO 185											
185 TO 186											
186 TO 187											
187 TO 188											
188 TO 189											
189 TO 190											
190 TO 191											
191 TO 192											
192 TO 193											
193 TO 194											
194 TO 195											
195 TO 196											
196 TO 197											
197 TO 198											
198 TO 199											
199 TO 200											
TOTALS	8.0	7.8	8.3	7.8	18.9	13.8	13.8	8.8	16.3	2400	100.0

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

93831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1992

YEARS

JULY

MONTH

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106						100.0				1	.0
97 TO 101	5.3			10.5		15.8	52.6	10.5	5.3	19	.8
92 TO 96	7.1	1.6	4.8	7.1	24.6	15.9	23.0	7.1	6.7	126	5.1
87 TO 91	2.2	3.0	8.4	11.4	30.5	13.9	18.8	5.4	6.3	167	14.8
82 TO 86	2.2	4.2	14.7	11.7	31.0	15.4	11.2	2.0	7.5	595	22.0
77 TO 81	2.3	5.5	8.8	6.1	18.1	21.7	11.7	2.9	22.9	751	30.3
72 TO 76	8.9	10.3	5.4	3.0	8.5	14.4	12.3	2.0	35.2	610	24.6
67 TO 71	3.3	18.0		3.3	6.6	11.5	11.5	4.6	39.3	61	2.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.2	6.1	8.7	7.4	20.3	16.8	13.7	3.2	19.6	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

97831  
STATION

BEAUFORT, SC  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

AUGUST  
MONTH

HOURS 11.5.1

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	C/F M	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						50.0			50.0	4	.2
92 TO 96	4.5	1.1	5.6	4.5	22.5	22.5	21.3	7.9	10.1	89	3.6
87 TO 91	4.9	4.6	8.5	15.4	24.2	15.7	14.8	3.9	8.5	306	12.3
82 TO 86	4.2	7.6	14.0	14.4	24.2	12.0	8.8	1.6	7.2	500	20.2
77 TO 81	4.5	7.8	11.8	7.3	14.6	17.0	11.0	1.8	24.2	735	29.6
72 TO 76	13.0	14.0	4.4	2.7	5.3	8.6	4.7	3.3	42.0	700	28.2
67 TO 71	13.8	25.6	2.3	.8	.8	.8	4.8	3.0	24.3	133	5.4
62 TO 66	34.5	30.8				7.7	15.4		7.7	13	.5
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.6	9.9	9.0	8.3	18.3	12.0	9.9	2.7	23.4	2480	100.0

NAYWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

93831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982 SEPTEMBER

YEARS

MONTH

HOURS - L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					100.0					1	.0
92 TO 96			4.8	14.3	28.6	14.3	14.3	4.8	19.0	21	.9
87 TO 91	4.2	2.8	10.6	15.5	24.6	12.0	12.0	4.2	14.1	142	5.9
82 TO 86	6.5	9.9	20.3	13.8	18.1	8.8	9.9	5.6	7.1	354	14.8
77 TO 81	6.6	13.4	18.0	9.4	15.5	11.0	6.8	1.9	17.3	573	23.9
72 TO 76	11.7	16.3	8.4	2.6	6.7	6.7	7.1	2.6	37.8	761	31.7
67 TO 71	24.9	27.7	3.9	1.7	1.4	2.8	4.5	5.0	28.2	358	14.9
62 TO 66	38.8	23.3			.8	3.1	3.1	7.8	23.3	129	5.4
57 TO 61	13.5	19.2					3.8	7.7	55.8	52	2.2
52 TO 56						11.1	11.1	22.2	55.6	9	.4
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.6	18.8	11.2	6.9	10.8	7.8	7.1	3.8	28.2	2900	100.0

NAYWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

93831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

OCTOBER

MONTH

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						57.1	28.6		14.3	7	.3
82 TO 86	6.7	3.3	13.3	17.8	20.0	8.9	18.9	6.7	8.9	90	3.8
77 TO 81	6.6	6.6	24.0	13.2	14.0	11.6	13.2	3.1	7.8	258	10.8
72 TO 76	9.4	15.1	17.0	9.7	10.8	8.0	8.3	7.1	14.5	152	6.2
67 TO 71	17.1	17.5	13.0	3.3	8.0	8.7	7.8	6.6	22.2	886	36.6
62 TO 66	18.5	24.1	6.1	.9	2.1	8.9	8.0	5.4	30.0	427	17.2
57 TO 61	21.4	22.7	3.6	.5	1.4	3.3	7.7	7.1	32.3	368	14.7
52 TO 56	18.0	18.0	2.0		.8	2.0	6.8	9.2	43.6	250	10.1
47 TO 51	25.5	19.9	1.9			1.2	6.2	8.7	36.6	161	6.5
42 TO 46	21.2	16.7				4.5	15.2	3.0	39.8	66	2.7
37 TO 41	20.0						6.7	13.3	60.0	15	.6
32 TO 36	33.3		33.3						33.3	3	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.1	17.9	9.9	4.3	8.9	8.8	8.9	8.3	23.8	2340	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

NOVEMBER

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		33.3		33.3		33.3				1	.1
77 TO 81	5.6	9.2	16.7	11.1	26.9	13.3	11.1	9.2	5.6	72	3.0
72 TO 76	7.8	6.8	18.0	7.3	26.8	13.2	10.7	9.9	9.4	205	8.3
67 TO 71	7.0	9.7	13.3	7.6	17.9	13.6	11.2	3.9	15.8	330	13.3
62 TO 66	13.3	12.7	10.5	9.5	10.3	9.9	7.9	5.3	25.2	457	19.0
57 TO 61	15.6	18.7	8.2	2.5	9.0	6.2	18.3	6.5	22.9	353	14.7
52 TO 56	18.7	16.7	3.9	.3	2.0	3.7	15.3	8.2	31.6	294	12.3
47 TO 51	19.3	18.9	3.6	.4	2.2	2.9	11.6	13.1	28.0	275	11.3
42 TO 46	14.1	12.1	.5	.5	1.0	4.9	12.6	16.0	38.3	206	8.4
37 TO 41	16.5	11.3	1.5		.8	.8	18.8	8.3	42.1	133	5.5
32 TO 36	11.3	7.5					7.5	13.2	60.9	53	2.2
27 TO 31	5.9							17.6	76.5	17	.7
22 TO 26									100.0	1	.0
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.5	13.3	8.0	3.6	8.7	7.8	12.0	7.8	23.5	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
-VS-

WIND DIRECTION

53831  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

DECEMBER

YEARS

MONTH

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81				14.3	64.3	21.4				14	.6
72 TO 76		1.4	7.0	9.9	43.7	22.5	12.7	1.4	1.4	71	2.9
67 TO 71	.9	4.3	6.8	9.8	39.3	21.8	10.3	1.7	6.0	117	4.7
62 TO 66	.8	4.0	6.0	4.0	34.3	18.3	14.3	3.4	12.7	231	10.1
57 TO 61	6.6	9.3	8.8	3.4	14.1	13.2	17.1	7.8	20.1	339	13.5
52 TO 56	9.7	15.0	8.8	1.7	8.9	10.3	18.1	10.0	21.9	360	14.5
47 TO 51	18.5	18.0	3.2	1.2	4.2	9.8	19.2	11.5	18.7	401	16.2
42 TO 46	18.6	13.9	1.4	.8	1.4	5.5	21.3	12.6	24.3	366	14.8
37 TO 41	17.3	13.2	2.5	.4	.4	2.1	19.8	15.4	28.8	293	9.8
32 TO 36	19.7	19.1	.5		.5	1.4	11.8	13.1	49.0	191	7.7
27 TO 31	18.4	7.8				1.9	7.8	14.5	47.6	103	4.2
22 TO 26	10.5	10.8					5.3	10.5	63.2	19	.8
17 TO 21	12.5							12.5	75.0	8	.3
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.9	11.8	9.0	2.1	11.1	9.0	14.9	10.8	23.0	2978	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

93931  
STATION

BEAUFORT, SC

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

ALL

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106						100.0				1	.0
97 TO 101	11.1	2.2		6.7	4.4	17.8	31.1	15.6	11.1	85	.2
92 TO 96	5.9	1.2	3.8	5.0	20.9	17.9	25.6	10.3	9.8	380	1.2
87 TO 91	3.6	2.9	6.9	11.7	25.7	15.8	19.5	6.5	7.8	1172	4.0
82 TO 86	4.7	5.6	13.5	13.3	26.2	13.9	12.5	3.9	6.9	2290	7.8
77 TO 81	4.1	6.6	11.9	9.7	22.4	16.3	11.8	2.6	15.1	3738	12.8
72 TO 76	8.2	10.4	8.3	6.7	16.7	11.4	10.6	3.9	24.0	4620	15.8
67 TO 71	10.4	11.1	9.2	6.1	18.6	11.1	11.2	4.7	17.7	3461	11.8
62 TO 66	9.4	9.9	9.7	5.8	18.0	11.5	11.9	5.1	18.7	3055	10.5
57 TO 61	10.1	12.1	9.6	8.3	10.4	6.6	14.0	7.5	22.3	2615	9.0
52 TO 56	10.8	13.1	7.8	2.6	7.6	7.0	16.2	9.0	26.0	2145	7.3
47 TO 51	19.8	16.2	8.1	1.4	4.6	8.3	16.0	12.1	24.6	1861	6.4
42 TO 46	15.8	13.4	2.6	1.0	2.1	5.1	19.4	14.1	26.3	1555	5.3
37 TO 41	16.8	13.8	2.8	.6	.9	2.7	19.2	13.7	29.5	1053	3.6
32 TO 36	14.8	13.3	1.7		.5	2.3	17.1	12.6	37.8	661	2.3
27 TO 31	20.4	7.1				2.1	14.7	17.8	37.9	422	1.4
22 TO 26	13.9	7.6				3.5	11.1	18.8	45.1	144	.5
17 TO 21	20.7						13.8	34.5	31.0	29	.1
12 TO 16							80.0		80.0	2	.0
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -8											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.4	10.1	8.4	6.0	14.9	10.4	13.7	6.8	20.9	29209	100.0

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Asheville, N. C.

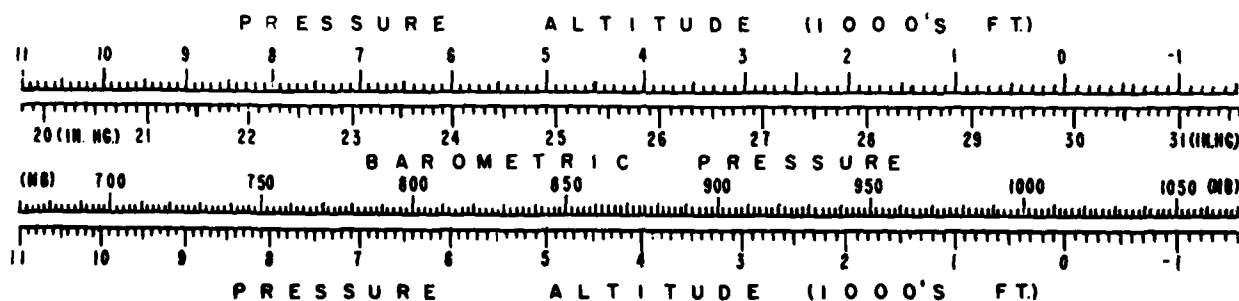
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.





# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

93831

BEAUFORT, SC

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1019.8	1019.9	1017.8	1017.8	1019.3	1016.2	1017.1	1018.0	1016.7	1018.5	1019.9	1020.2	1018.1
	S. D.	6.658	6.247	6.297	5.847	4.113	3.845	3.081	2.775	3.504	4.367	4.788	6.601	5.243
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	1019.7	1019.5	1017.1	1017.4	1014.9	1015.7	1016.6	1017.3	1016.2	1018.1	1019.7	1020.0	1017.7
	S. D.	6.698	6.216	6.390	5.835	4.149	3.804	3.048	2.779	3.392	4.890	4.823	6.542	5.278
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	1020.3	1020.3	1018.3	1018.7	1016.1	1016.8	1017.5	1018.4	1017.2	1019.1	1020.2	1020.6	1018.6
	S. D.	6.801	6.309	6.517	5.925	4.247	3.562	3.071	2.834	3.439	4.724	4.898	6.598	5.311
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1021.6	1021.4	1019.3	1019.4	1016.7	1017.2	1018.2	1019.1	1018.0	1020.0	1021.8	1021.8	1019.8
	S. D.	6.869	6.488	6.699	6.104	4.330	3.629	3.098	2.929	3.550	4.810	5.004	6.678	5.482
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1019.7	1020.0	1018.1	1018.3	1019.7	1016.8	1017.9	1018.3	1017.0	1018.6	1019.7	1020.0	1018.3
	S. D.	6.847	6.571	6.653	6.194	4.354	3.749	3.148	2.963	3.648	4.876	5.064	6.798	5.429
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1018.8	1018.8	1016.8	1016.7	1014.4	1015.3	1016.2	1016.9	1015.6	1017.6	1018.6	1019.1	1017.0
	S. D.	6.664	6.641	6.618	6.172	4.322	3.873	3.231	2.888	3.736	4.828	4.929	6.676	5.422
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	1019.8	1019.3	1017.2	1017.0	1014.4	1015.8	1016.4	1017.2	1016.0	1018.2	1019.6	1019.9	1017.8
	S. D.	6.511	6.620	6.423	6.050	4.194	3.743	3.160	2.818	3.719	4.720	4.863	6.358	5.398
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3658
22	MEAN	1020.4	1020.1	1018.1	1018.0	1016.7	1016.4	1017.4	1018.4	1017.0	1019.0	1020.2	1020.4	1018.4
	S. D.	6.543	6.386	6.228	5.957	4.043	3.554	3.089	2.730	3.708	4.676	4.868	6.828	5.260
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	309	3658
ALL HOURS	MEAN	1020.0	1019.9	1017.8	1017.9	1015.4	1016.2	1017.1	1018.0	1016.7	1018.4	1019.8	1020.2	1018.1
	S. D.	6.734	6.477	6.519	6.061	4.275	3.782	3.178	2.920	3.634	4.778	4.984	6.688	5.401
	TOTAL OBS	2980	2254	2979	2900	2985	2980	2980	2980	2980	2980	2199	2978	29218

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93831 BEAUFORT, SC

73-82

STATION	STATION NAME	YEARS													
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN S. D. TOTAL OBS	30.083 .197 310	30.084 .188 282	30.024 .186 310	30.022 .172 300	29.950 .121 310	29.977 .106 300	30.003 .091 310	30.020 .083 310	29.991 .104 300	30.044 .135 310	30.086 .142 300	30.093 .195 310	30.032 .155 3652	
04	MEAN S. D. TOTAL OBS	30.078 .196 310	30.072 .183 282	30.004 .189 310	30.011 .172 300	29.938 .123 310	29.960 .108 300	29.986 .090 310	30.009 .083 310	29.975 .100 300	30.032 .134 310	30.079 .143 300	30.087 .193 310	30.019 .156 3652	
07	MEAN S. D. TOTAL OBS	30.096 .201 310	30.097 .187 282	30.039 .193 310	30.049 .178 300	29.972 .129 310	29.993 .106 300	30.018 .091 310	30.041 .085 310	30.009 .101 300	30.062 .140 310	30.103 .148 300	30.108 .198 310	30.046 .157 3652	
10	MEAN S. D. TOTAL OBS	30.138 .203 310	30.131 .191 282	30.064 .199 310	30.070 .180 300	29.989 .128 310	30.007 .108 300	30.033 .092 310	30.062 .088 310	30.020 .105 300	30.069 .143 310	30.132 .146 300	30.142 .198 310	30.074 .162 3652	
13	MEAN S. D. TOTAL OBS	30.079 .202 310	30.089 .194 282	30.031 .198 310	30.038 .182 300	29.962 .129 310	29.984 .112 300	30.018 .093 310	30.030 .089 310	29.990 .108 300	30.047 .144 310	30.080 .150 300	30.087 .200 310	30.037 .160 3652	
16	MEAN S. D. TOTAL OBS	30.052 .197 310	30.043 .198 282	29.984 .197 310	29.990 .182 300	29.923 .128 310	29.950 .114 300	29.977 .096 310	29.996 .086 310	29.957 .110 300	30.016 .142 310	30.052 .148 300	30.060 .198 310	30.000 .160 3652	
19	MEAN S. D. TOTAL OBS	30.082 .193 310	30.066 .196 282	30.001 .190 309	29.999 .178 300	29.929 .124 310	29.958 .111 300	29.981 .092 310	30.006 .084 310	29.970 .109 300	30.036 .139 310	30.077 .144 300	30.086 .194 309	30.019 .159 3650	
22	MEAN S. D. TOTAL OBS	30.101 .193 310	30.090 .188 282	30.031 .184 310	30.030 .174 300	29.961 .120 310	29.984 .106 300	30.013 .091 310	30.040 .082 310	30.000 .109 300	30.054 .136 310	30.098 .148 299	30.101 .193 309	30.042 .156 3650	
ALL HOURS	MEAN S. D. TOTAL OBS	30.088 .199 2880	30.084 .191 2256	30.021 .193 2876	30.026 .174 2800	29.951 .126 2880	29.971 .118 2880	30.001 .094 2880	30.020 .087 2880	29.998 .100 2880	30.048 .142 2880	30.088 .147 2296	30.098 .197 2876	30.031 .160 29216	

END

DATE  
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